Drinking Water Surveillance Program

# SOUTH PEEL (LAKEVIEW) WATER SUPPLY SYSTEM

Annual Report 1988

Ontario Environment Environnement

ISSN:0839-9069

91-02675/

# SOUTH PEEL (LAKEVIEW) WATER SUPPLY SYSTEM

## DRINKING WATER SURVEILLANCE PROGRAM

## ANNUAL REPORT 1988

FEBRUARY 1990

Copyright: Queen's Printer for Ontario, 1990
This publication may be reproduced for non-commercial purposes with appropriate attribution.

# EXECUTIVE SUMMARY

## DRINKING WATER SURVEILLANCE PROGRAM

## SOUTH PEEL (LAKEVIEW) WATER TREATMENT PLANT
## 1988 ANNUAL REPORT

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to eventually include all municipal supplies in Ontario. Currently, 52 plants are being monitored.

The South Peel (Lakeview) Water Treatment Plant is a conventional treatment plant which treats water from Lake Ontario. The process consists of coagulation, flocculation, sedimentation, filtration, disinfection and fluoridation. This plant has a design capacity of 400 x 1000 $m^3$/day and in conjunction with the Lorne Park Water Supply System serves a population of approximately 600,000.

Water samples from the raw, treated and three distribution sites were taken on a monthly basis. The South Peel (Lakeview) Water Treatment Plant was sampled for approximately 160 parameters monthly. Parameters were divided into the following groups: Bacteriological, Inorganic and Physical (Laboratory Chemistry, Field Chemistry and Metals) and Organic (Chloroaromatics, Chlorophenols, Pesticides and PCB, Phenolics, Polynuclear Aromatic Hydrocarbons, Specific Pesticides and Volatiles). Chlorophenols and Specific Pesticides were analysed for in June and November only.

A summary of results is shown in Table 1.

Inorganic and Physical parameters were below any applicable health related ODWOs.

Of a total of approximately 110 Organic parameters tested for on a monthly basis, none exceeded health related guidelines.

During 1988 the DWSP sampling results indicated that the South Peel (Lakeview) Water Treatment Plant produced good quality water at the plant and this quality was maintained in the distribution system.

TABLE 1

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS

SUMMARY TABLE BY SCAN

| SCAN | RAW | | | TREATED | | | SITE 2 | | | SITE 3 | | | SITE 4 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TESTS | POSITIVE | %POSITIVE | TESTS | POSITIVE | %POSITIVE | TESTS | POSITIVE | %POSITIVE | TESTS | POSITIVE | %POSITIVE | TESTS | POSITIVE | %POSITIVE |
| BACTERIOLOGICAL | 43 | 43 | 100 | 43 | 8 | 18 | 36 | 4 | 11 | 16 | 2 | 12 | 48 | 8 | 16 |
| CHEMISTRY (FLD) | 36 | 36 | 100 | 70 | 70 | 100 | 120 | 120 | 100 | 43 | 43 | 100 | 123 | 122 | 99 |
| CHEMISTRY (LAB) | 246 | 212 | 86 | 245 | 174 | 71 | 360 | 296 | 82 | 142 | 118 | 83 | 393 | 326 | 82 |
| METALS | 285 | 169 | 59 | 285 | 149 | 52 | 466 | 275 | 59 | 184 | 108 | 58 | 517 | 294 | 56 |
| CHLOROAROMATICS | 154 | 0 | 0 | 154 | 0 | 0 | 126 | 0 | 0 | 56 | 0 | 0 | 154 | 0 | 0 |
| CHLOROPHENOLS | 6 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| PAH | 204 | 1 | 0 | 204 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| PESTICIDES & PCB | 375 | 0 | 0 | 375 | 0 | 0 | 309 | 0 | 0 | 128 | 0 | 0 | 351 | 0 | 0 |
| PHENOLICS | 12 | 3 | 25 | 12 | 3 | 25 | . | . | . | . | . | . | . | . | . |
| SPECIFIC PESTICIDES | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VOLATILES | 258 | 0 | 0 | 258 | 36 | 13 | 201 | 31 | 15 | 29 | 4 | 13 | 258 | 37 | 14 |
| TOTAL | 1647 | 464 | | 1646 | 440 | | 1618 | 726 | | 598 | 275 | | 1844 | 787 | |

NO HEALTH RELATED GUIDELINES WERE EXCEEDED

A POSITIVE VALUE DENOTES THAT THE RESULT IS GREATER THAN THE STATISTICAL LIMIT OF DETECTION AND IS QUANTIFIABLE
A '.' INDICATES THAT NO SAMPLE WAS TAKEN

# DRINKING WATER SURVEILLANCE PROGRAM

# SOUTH PEEL (LAKEVIEW) WATER TREATMENT PLANT
# 1988 ANNUAL REPORT

## INTRODUCTION

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to eventually include all municipal supplies in Ontario. Currently, 52 plants are being monitored.

The DWSP was initiated at the South Peel (Lakeview) Water Treatment Plant in 1984 as a test plant during the developmental period of DWSP. Annual reports were published for 1986 (ISBN 0-7729-2559-3) and 1987 (ISSN 0839-9069).

This report contains information and results for 1988.

## PLANT DESCRIPTION

The South Peel (Lakeview) Water Treatment Plant is a conventional treatment plant which treats water from Lake Ontario. The process consists of coagulation, flocculation, sedimentation, filtration, disinfection and fluoridation. Sulphur Dioxide is used as a dechlorinator and ammoniation is used to produce a long-lasting

residual in the distribution system. This plant has a design capacity of 400 x 1000 $m^3$/day and daily flows for the day of sampling ranged from 118 x 1000 $m^3$/day to 384 x 1000 $m^3$/day. The Lakeview Water Supply System in conjunction with the Lorne Park Water Supply System serves a population of approximately 600,000.

The plant location is shown in Figure 1. Plant process details, in a block schematic, are shown in Figure 2. General plant information is presented in Table 2.

## METHODS

Water samples were obtained from five DWSP approved locations;

i) Plant Raw - The water originated from the raw water intake prior to chlorination and was sampled through a copper sample line. The sample tap is located near the lowlift pumps.

ii) Plant Treated - The water originated from the highlift pump discharge after addition of all treatment chemicals and was sampled through a copper sample line. The sample tap is located in the plant laboratory.

iii) Distribution System - Site Two - This house is approximately 6.8 kilometers from the plant. Water was sampled through copper plumbing from the kitchen sink tap.

iv) Distribution System - Site Three - This house is approximately 36 kilometers from the plant. Water was sampled through copper plumbing from the kitchen sink tap.

v) Distribution System - Site Four - This house is approximately 31 kilometers from the plant. Water was sampled through copper plumbing from the kitchen sink tap. Sampling was discontinued at this site in April.

Sample lines in the plant were flushed prior to sampling to ensure that the water obtained was indicative of its origin and not residual water standing in the sample line.

At the distribution system location two types of samples were obtained: a standing and a free flow. The standing sample consisted of water that had been in the household plumbing and service connection for a minimum of six hours. These samples are used to make an assessment of the amount by which the levels of inorganic compounds and metals may be changed on standing due to leaching from ( or deposition on ) the plumbing system. The only analyses carried out on standing samples therefore, are General Chemistry and Metals. The free flow sample represented fresh water from the distribution main that had been flowing at the sample tap for five minutes before the sample was taken .

# FIGURE 1

## DRINKING WATER SURVEILLANCE PROGRAM

## SITE LOCATION MAP

### SOUTH PEEL (LAKEVIEW) WATER TREATMENT PLANT

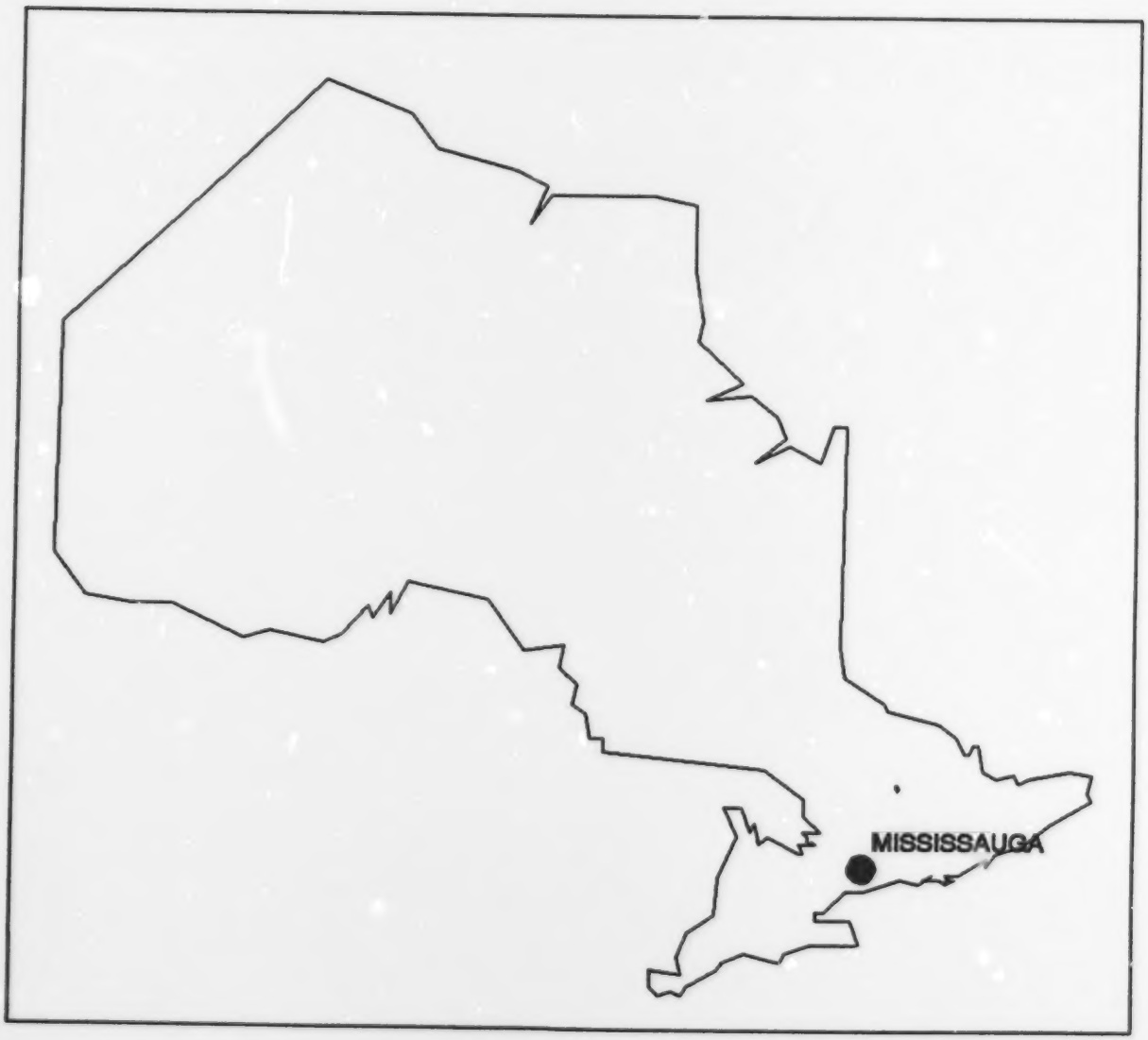

Figure 2

SOUTH PEEL (LAKEVIEW) WATER TREATMENT PLANT

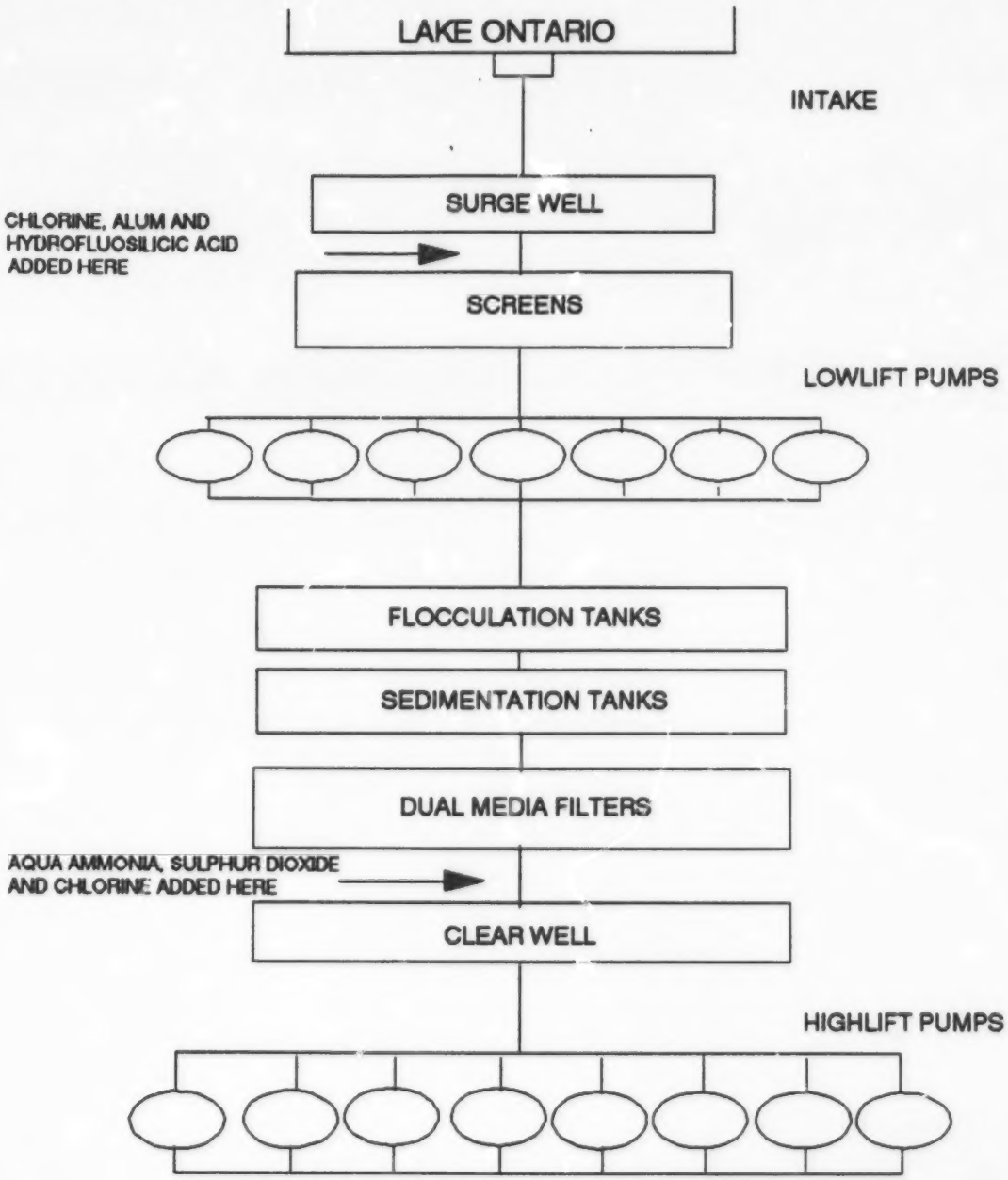

TABLE 2

DRINKING WATER SURVEILLANCE PROGRAM ANNUAL REPORT

GENERAL INFORMATION

SOUTH PEEL (LAKEVIEW) WATER SUPPLY SYSTEM

| | |
|---|---|
| LOCATION: | 920 EAST AVE<br>MISSISSAUGA, ONTARIO<br>L5E 1W6<br>(416-278-8471) |
| SOURCE: | RAW WATER SOURCE - LAKE ONTARIO |
| RATED CAPACITY: | 400 (1000 $M^3$/DAY) |
| OPERATION: | MINISTRY OF THE ENVIRONMENT (MOE) |
| PLANT SUPERINTENDENT: | R. TUFTS |
| MINISTRY REGION: | CENTRAL |
| MOE OFFICER: | J. TIMKO |

| MUNICIPALITY SERVED | POPULATION |
|---|---|
| BRAMPTON | 125,000 |
| MISSISSAUGA | 325,000 |

Attempts were made to capture the same block of water at each sampling point by taking the retention time into consideration.

The retention time was calculated by dividing the volume of water between the two sampling points by the sample day flow. For example, if it was determined that the retention time within the plant was five hours then there would be a five hour interval between the raw and treated sampling. Similarly, if it was estimated that it took approximately one day for the water to travel from the plant to the distribution system site, this site would be sampled one day after the treated water from the plant.

Stringent DWSP sampling protocols were followed to ensure that all samples were taken in a uniform manner.

Sample day flow, treatment chemical dosages and Field Chemistry measurements such as Turbidity, Chlorine Residuals, pH and Temperature were recorded on the day of sampling and were entered on the DWSP data base as submitted.

## RESULTS

The South Peel (Lakeview) Water Treatment Plant was sampled for approximately 160 parameters on a monthly basis.

The Specific Pesticides and Chlorophenols scans were sampled for

in June and November only. Polynuclear Aromatic Hydrocarbons and Phenolics are only analysed for in the raw and treated water at the plant. As a result of an unforeseen emergency the laboratory capacity was exceeded and analysis for volatiles could not be carried out when the samples were received. Since analysis for volatiles is no longer valid after four weeks of storage, volatile results for January, February or March are not available.

Table 3 contains information on sample day retention time, flow rate, treatment chemicals used and their associated dosages.

Table 4 is a summary break-down of the number of water samples analysed for by parameter and by water type. The number of times that a positive or trace result was detected is also reported.

Positive denotes that the result is greater than the statistical limit of detection established by the Ministry of the Environment (MOE) laboratory staff and is quantifiable. Trace (<T) denotes that the level measured is greater than the lowest value detectable by the method but lies so close to the detection limit that it cannot be confidently quantified.

Table 5 presents the results for parameters detected on at least one occasion.

Table 6 lists all parameters analysed in the DWSP.

Associated guidelines and detection limits are also supplied on both tables. Parameters are listed alphabetically within each scan.

## DISCUSSION

### General

Water quality is judged by comparison with the Ontario Drinking Water Objectives (ODWOs) as defined in the 1984 publication (ISBN 0-7743-8985-0). The Province of Ontario has health related and aesthetic objectives for 49 parameters, these are currently under review. When an ODWO is not available guidelines/limits from other agencies are consulted. The Parameters Listing System (PALIS) recently published (ISBN 0-7729-4461-x) by the MOE catalogues and keeps current over 1750 guidelines for 650 parameters from agencies throughout the world.

Although some of the parameters measured on DWSP may be present in the raw or treated water as a result of pollution, many of the compounds detected are naturally occuring or are treatment by-products.

Plant operational personnel address occurrences of taste and odour or biological water quality parameters. The DWSP does not assess these aspects of the water supply.

As stated under Results, traces do not indicate quantifiable values, as defined by established MOE Laboratory analytical reporting protocols. While they can be used in trend analysis or confirmation of the presence of a specific contaminant that is repeatedly detected at these levels, the occasional finding of a trace level of a contaminant is not considered to be significant. **DISCUSSION OF GUIDELINES AND LIMITS THEREFORE, IS ONLY CONDUCTED ON POSITIVE RESULTS.**

Bacteriology

Positive results for the Bacteriology scan were present eight times in the treated water, eight times in the site 2 water, four times in the site 3 water and twice in the site 4 water. The positive parameters were Standard Plate Count, Total Coliform and/or Total Coliform Background.

Guidelines for bacteriological sampling and testing of a supply are developed to maintain a proper supervision of its bacteriological quality; the routine monitoring program usually requires the taking of multiple samples in a given system. Full interpretation of bacteriological quality cannot be made on the basis of single samples. Further, bacteriological limits were developed in acknowledgement that the presence of coliforms may be detected due to their non-uniform distribution throughout the distribution

system and the fact that their enumeration is subject to considerable variation. Routine bacteriological monitoring, as outlined in the ODWOs is carried out by the operating authority.

## Inorganic and Physical Parameters

### Laboratory and Field Chemistry

The results for Laboratory and Field Chemistry scans were below any applicable health related ODWOs.

The results for calcium, magnesium, hardness and sodium for the May Site 2 standing and free flow samples do not reflect the distribution system water quality. This location has a water softener and at the time of sampling the water was not diverted past the softener.

The Total Ammonium levels are high, not as a result of naturally occurring ammonia (eg. from sewage pollution) but from the ammonia added in the treatment process. The ammonia is added after filtration to combine with the chlorine added during post-chlorination to provide a long lasting combined chlorine residual in the distribution system. While the European Economic Community has an aesthetic guideline of .05 mg/L, the Maximum Admissable Concentration is .50 mg/L and is set as a result of the concern for potential sewage pollution and its detection.

The Langelier Index is used extensively in estimating the corrosion potential of water. An increasingly negative index indicates the increasing possibility of corrosion. It is considered sound engineering practice to maintain a slightly positive Langelier Index. The Langelier Index for Lakeview is consistently positive.

It is desirable that the Temperature of drinking water be less than 15°C; the palatability of water is enhanced by its coolness. A temperature below 15°C will tend to reduce the growth of nuisance organisms and hence minimize associated taste, colour, odour and corrosion problems. The temperature of the delivered water may increase in the distribution system due to the warming effect of the soil in late summer and fall and/or as a result of higher temperatures in the source water. The desired ODWO was exceeded six times in the treated water and free flow distributed water.

As part of the treatment plant process, Hydrofluosilicic acid is added to the treated water (Table 3). Where fluoridation is practised, the fluoride concentration recommended in the ODWO is 1.2 mg/L, plus or minus 0.2 mg/L. Results indicate that the plant was not always successful in maintaining this level in the treated and distributed water.

**Metals**

The results reported for the Metal scan were below any applicable

health related ODWOs.

The levels of Copper and Iron are lower in the treated water than in the raw. This is a result of the treatment process, the addition of alum as a coagulant to the raw water and the resulting coagulation/settling process has been shown to reduce the levels of most metals. The levels for both metals increased slightly on passage through the distribution system.

Elevated levels of Copper and Zinc and minimal increases in the levels of Lead were detected in the standing samples as compared to the free flow samples from all distribution system locations. This occurred for Nickel only in the Site 2 sample and could reflect the presence of different plumbing components . This indicates that small quantities of these metals were leached from the household plumbing as the water stood overnight, although the Langelier Index indicates minimal potential for corrosion some metals will be leached in standing samples in most supplies.

At present there is no evidence that Aluminum is physiologically harmful and no health limit has been specified. The measure of residual Aluminum in the treated water is important to indicate efficiency of the treatment process. The ODWOs indicate that a useful guideline is to maintain a residual below 0.1 mg/L as Al in water leaving the plant to avoid problems in the distribution system. Aluminum values exceeded the ODWO operational guideline

five times in the treated waters.

## Organic Parameters

### Chloroaromatics

The results of the Chloroaromatics scan showed that no chloroaromatics were detected.

### Chlorophenols

The results of the Chlorophenol scan showed that no Chlorophenols were detected.

### Pesticides and PCB (Polychlorinated Biphenyl)

Results of the Pesticides and PCB scan showed that no PCBs were detected and that three pesticides were detected:

- Alpha BHC
- Lindane
- Atrazine

There are several isomers of BHC(Benzene Hexachloride); gamma BHC is the active ingredient of the pesticide Lindane, while alpha BHC is the isomer predominantly found in surface waters in the Great Lakes basin.

Alpha BHC was detected at trace levels, eight times in the raw water, eight times in the treated water, nine times in the Site 2

water, five times in the Site 3 water and twice in the Site 4 water.

Lindane was detected at trace levels, twice in the raw water, six times in the treated water, six times in the Site 2 and twice in the Site 3 waters.

Atrazine was detected once at a trace level, in the Site 2 water.

**Specific Pesticides**

Results of the Specific Pesticide scan showed that no Specific Pesticides were detected.

**Phenolics**

The maximum desirable concentration of phenolic substances in drinking water is 2.0 ug/L. This limit has been set primarily to prevent the occurrence of undesirable tastes and odours, particularly in chlorinated water. Phenolics were detected in the May raw and treated water samples at 2.6 and 1.8 ug/L, the values could not be confirmed by reanalysis. 2.0 ug/L and 1.0 ug/L were detected in the November and December raw water samples and 1.2 ug/L and 1.0 ug/L were detected in the October and December treated water samples. Phenolics were detected at trace levels, four times in the raw water and the treated water. Phenolic compounds are present in the aquatic environment as a result of natural and/or industrial processes.

**Polynuclear Aromatic Hydrocarbons (PAH)**

Results of the PAH scan show that two PAHs were detected:

Fluoranthene

Benzo(K)Fluoranthene

Fluoranthene was detected at a trace level, once in a raw water sample.

Benzo(K)fluoranthene was detected at 1.0 ng/L in the January raw water sample, subsequent development and confirmation of detection limits according to standard analytical protocol showed that the levels found were at or below the detection limit. It was also detected at a trace level in the April raw water.

**Volatiles**

Results of the Volatile scan show that ten parameters, other than Trihalomethanes(THMs), were detected:

Benzene

Toluene

Ethylbenzene

Meta and Para-Xylene

Ortho-Xylene

Styrene

Carbon Tetrachloride

Trichloroethylene

Tetrachloroethylene

1,4-Dichlorobenzene

Benzene was detected at trace levels, once in the treated water, twice in the Site 2 water and three times in the Site 3 water.

Toluene was detected at .55 ug/L in the November Site 2 water and at .80 ug/L in the August distribution system Site 3 water. These are below Health and Welfare Canada's aesthetic drinking water objective (AO) of 24.0 ug/L. Toluene was detected at trace levels, once in the raw water, twice in the treated water, four times at Site 2, six times at Site 3 and once at Site 4. The detection of toluene at low, trace levels is a laboratory artifact derived from the analytical methodology. The purge-and-trap analytical technique depends on the purging of the volatile organics in the water sample with helium gas onto a Tenax trapping column. The volatile materials are subsequently thermally desorbed, separated and quantified. Tenax, a toluene-like polymeric material, tends to decompose sporadically upon heating into toluene and other aromatic componenets (ethylbenzene and xylene) giving instrument blanks in the order of 0.05 ug/L.

The detected trace levels of Styrene are also considered to be laboratory artifacts due to the outgassing of monomeric styrene from the polystyrene shipping containers. The sporadic background levels from this source are in the order of 0.05 ug/L.

Ethylbenzene was detected at trace levels, twice in the raw water, four times in the treated water, six times in the Site 2 water and five times in the Site 3 water.

Meta and Para-Xylene are reported as one compound, M-Xylene. It was detected at trace levels, once in the treated water, three times in the Site 2 water and twice in the Site 3 water.

Ortho-Xylene (O-Xylene) was detected at trace levels, once in the raw water and treated water, four times in the Site 2 water and twice in the Site 3 water.

These volatiles are typically found on an occasional basis at other water supplies included on the DWSP usually at trace levels.

Carbon tetrachloride was detected at a trace level, once in the treated water.

Trichloroethylene was detected at trace levels, once in both the raw and treated water.

Tetrachloroethylene was detected at trace levels, once in the raw water, treated water and the Site 3 water and three times in the Site 2 water.

1,4-Dichlorobenzene was detected at 1.1 ug/L and 1.2 ug/L in the July and August samples of the distribution system Site 3 water respectively. Health and Welfare Canada's Maximum Acceptable Concentration (MAC) is 5.0 ug/L and the Aesthetic Objective (AO) is 1 ug/L. It was also detected at trace levels, five times in the Site 2 water and four times in the Site 3 water.

THMs are acknowledged to be produced during the water treatment process and will always occur in chlorinated surface waters. THMs are comprised of Chloroform, Chlorodibromomethane and Dichlorobromomethane. Bromoform occurs occasionally. Results are reported for the individual compounds as well as for total THMs.

Chloroform, Chlorodibromomethane, Dichlorobromomethane and Total THMs were detected in all treated waters. Bromoform was detected at trace levels in all of the treated water samples, in seven distribution system Site 2 and Site 3 waters and in one Site 4 water. All Total THM occurrences, ranging from 16.1 to 35.3 ug/L were well below the ODWO of 350 ug/L.

THMs were detected at trace levels in several raw water samples.

Comparison with the DWSP analyses reported in the 1986 and 1987 annual reports show that raw and treated water quality has remained consistent. It has been noted that 1,4-Dichlorobenzene has been detected in the distribution system samples. Although most

occurrences have been at trace levels the consistent frequency may be significant. Ministry personnel are investigating.

## CONCLUSIONS

The South Peel (Lakeview) Water Treatment Plant for the sample year of 1988 produced good quality water at the plant and this was maintained in the distribution system.

No health related guidelines, for organic or inorganic parameters were exceeded during 1986, 1987 or 1988.

TABLE 3

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS SAMPLE DAY CONDITIONS FOR 1988

| | SAMPLE DAY CONDITIONS | | TREATMENT CHEMICAL DOSAGES (MG/L) | | | | |
|---|---|---|---|---|---|---|---|
| | | | PRE-CHLORINATION | COAGULATION | FLUORIDATION | TASTE & ODOUR | DECHLORINATION |
| | | | CHLORINE | ALUM LIQUID | HYDROFLUOSILICIC ACID | AMMONIUM ANHYDROUS | SULPHUR DIOXIDE |
| DATE | RETENTION TIME(HRS) | FLOW (1000 M3) | | | | | |
| JAN 05 | 5.3 | 159.0 | 3.10 | 5.00 | 1.40 | .17 | .80 |
| FEB 03 | 4.4 | 191.0 | 2.60 | 5.00 | 1.78 | .23 | .80 |
| MAR 09 | 5.3 | 159.0 | 2.70 | 5.00 | 1.00 | .21 | .63 |
| APR 07 | 4.4 | 191.0 | 3.00 | 10.00 | 1.07 | .17 | .92 |
| MAY 03 | 5.3 | 159.0 | 4.10 | 5.00 | 1.15 | .15 | .94 |
| JUN 08 | 3.2 | 320.0 | 2.90 | 5.00 | 1.00 | .12 | .44 |
| JUL 06 | 2.4 | 341.0 | 3.50 | 5.00 | 1.06 | .16 | .39 |
| AUG 04 | 6.7 | 127.0 | 3.90 | 5.00 | .72 | .22 | .40 |
| SEP 08 | 5.3 | 159.0 | 3.10 | 5.00 | 1.00 | .20 | .62 |
| OCT 05 | 6.6 | 127.0 | 1.77 | 5.00 | 1.06 | .15 | . |
| NOV 09 | 7.1 | 118.0 | 2.30 | 10.00 | 1.25 | .15 | .51 |
| DEC 07 | 5.3 | 159.1 | 2.20 | 3.00 | 1.01 | .12 | .45 |

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS

SUMMARY TABLE OF RESULTS (1988)

| SCAN | PARAMETER | RAW | | | TREATED | | | SITE2 | | | SITE3 | | | SITE4 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TOTAL | POSITIVE | TRACE | TOTAL | POSITIVE | TRACE | TOTAL | POSITIVE | TRACE | TOTAL | POSITIVE | TRACE | TOTAL | POSITIVE | TRACE |
| BACTERIOLOGICAL | AEROMONAS SP | . | . | . | . | . | . | 2 | 0 | 0 | . | . | . | . | . | . |
| | E. COLI P/A | . | . | . | . | . | . | 2 | 0 | 0 | . | . | . | . | . | . |
| | FECAL COLIFORM MF | 12 | 12 | 0 | . | . | . | . | . | . | . | . | . | . | . | . |
| | FECAL COLIFORM | . | . | . | . | . | . | 2 | 0 | 0 | . | . | . | . | . | . |
| | STANDRD PLATE CNT MF | 7 | 7 | 0 | 12 | 6 | 0 | 9 | 5 | 0 | 9 | 4 | 0 | 4 | 2 | 0 |
| | P/A BOTTLE | . | . | . | 7 | 0 | 0 | 7 | 2 | 0 | 7 | 0 | 0 | 4 | 0 | 0 |
| | STAPH AUREUS | . | . | . | . | . | . | 2 | 0 | 0 | . | . | . | . | . | . |
| | COLIFORM | . | . | . | . | . | . | 2 | 0 | 0 | . | . | . | . | . | . |
| | TOTAL COLIFORM MF | 12 | 12 | 0 | 12 | 0 | 0 | 11 | 0 | 0 | 10 | 0 | 0 | 4 | 0 | 0 |
| | T COLIFORM BCKGRD MF | 12 | 12 | 0 | 12 | 2 | 0 | 11 | 1 | 0 | 10 | 0 | 0 | 4 | 0 | 0 |
| *TOTAL SCAN BACTERIOLOGICAL | | 43 | 43 | 0 | 43 | 8 | 0 | 48 | 8 | 0 | 36 | 4 | 0 | 16 | 2 | 0 |
| *TOTAL GROUP BACTERIOLOGICAL | | 43 | 43 | 0 | 43 | 8 | 0 | 48 | 8 | 0 | 36 | 4 | 0 | 16 | 2 | 0 |
| CHEMISTRY (FLD) | FLD CHLORINE (COMB) | . | . | . | 12 | 12 | 0 | 17 | 17 | 0 | 20 | 20 | 0 | 6 | 6 | 0 |
| | FLD CHLORINE FREE | . | . | . | 10 | 10 | 0 | 20 | 20 | 0 | 20 | 20 | 0 | 6 | 6 | 0 |
| | FLD CHLORINE (TOTAL) | . | . | . | 12 | 12 | 0 | 20 | 20 | 0 | 20 | 20 | 0 | 7 | 7 | 0 |
| | FLD PH | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 22 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| | FLD TEMPERATURE | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 22 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| | FLD TURBIDITY | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 22 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| *TOTAL SCAN CHEMISTRY (FLD) | | 36 | 36 | 0 | 70 | 70 | 0 | 123 | 123 | 0 | 120 | 120 | 0 | 43 | 43 | 0 |
| CHEMISTRY (LAB) | ALKALINITY | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 22 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS

SUMMARY TABLE OF RESULTS (1988)

| | | SITE | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RAW | | | TREATED | | | SITE2 | | | SITE3 | | | SITE4 | | |
| SCAN | PARAMETER | TOTAL | POSITIVE | TRACE | TOTAL | POSITIVE | TRACE | TOTAL | POSITIVE | TRACE | TOTAL | POSITIVE | TRACE | TOTAL | POSITIVE | TRACE |
| CHEMISTRY (LAB) | CALCIUM | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 20 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| | CYANIDE | 12 | 0 | 0 | 12 | 0 | 0 | 11 | 0 | 0 | 10 | 0 | 0 | 4 | 0 | 1 |
| | CHLORIDE | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 22 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| | COLOUR | 12 | 7 | 5 | 12 | 0 | 12 | 22 | 0 | 20 | 20 | 0 | 18 | 8 | 0 | 7 |
| | CONDUCTIVITY | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 22 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| | FLUORIDE | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 22 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| | HARDNESS | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 20 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| | IONCAL | 12 | 5 | 0 | 12 | 5 | 0 | 22 | 10 | 0 | 20 | 8 | 0 | 8 | 0 | 0 |
| | LANGELIERS INDEX | 12 | 12 | 0 | 11 | 11 | 0 | 20 | 20 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| | MAGNESIUM | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 20 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| | SODIUM | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 22 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| | AMMONIUM TOTAL | 12 | 10 | 2 | 12 | 12 | 0 | 22 | 22 | 0 | 20 | 17 | 3 | 8 | 8 | 0 |
| | NITRITE | 12 | 8 | 4 | 12 | 0 | 11 | 22 | 7 | 15 | 20 | 3 | 17 | 8 | 5 | 3 |
| | TOTAL NITRATES | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 22 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| | NITROGEN TOT KJELD | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 22 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| | PH | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 22 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| | PHOSPHORUS FIL REACT | 12 | 9 | 3 | 12 | 0 | 12 | . | . | . | . | . | . | . | . | . |
| | PHOSPHORUS TOTAL | 12 | 11 | 1 | 12 | 0 | 9 | . | . | . | . | . | . | . | . | . |
| | TOTAL SOLIDS | 1 | 1 | 0 | 1 | 1 | 0 | . | . | . | 2 | 2 | 0 | 2 | 2 | 0 |
| | SULPHATE | 5 | 5 | 0 | 5 | 5 | 0 | 10 | 10 | 0 | 8 | 8 | 0 | . | . | . |
| | TURBIDITY | 12 | 12 | 0 | 12 | 8 | 4 | 22 | 21 | 1 | 20 | 18 | 2 | 8 | 7 | 1 |
| *TOTAL SCAN CHEMISTRY (LAB) | | 246 | 212 | 15 | 245 | 174 | 48 | 393 | 326 | 36 | 360 | 296 | 40 | 142 | 118 | 12 |
| METALS | SILVER | 12 | 0 | 7 | 12 | 0 | 7 | 22 | 0 | 12 | 20 | 0 | 9 | 8 | 0 | 4 |

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS

SUMMARY TABLE OF RESULTS (1988)

| SCAN | PARAMETER | SITE RAW TOTAL | RAW POSITIVE | RAW TRACE | TREATED TOTAL | TREATED POSITIVE | TREATED TRACE | SITE2 TOTAL | SITE2 POSITIVE | SITE2 TRACE | SITE3 TOTAL | SITE3 POSITIVE | SITE3 TRACE | SITE4 TOTAL | SITE4 POSITIVE | SITE4 TRACE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| METALS | ALUMINUM | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 22 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| | ARSENIC | 11 | 2 | 9 | 11 | 1 | 9 | 22 | 2 | 18 | 18 | 4 | 12 | 6 | 0 | 4 |
| | BARIUM | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 21 | 1 | 20 | 20 | 0 | 8 | 8 | 0 |
| | BORON | 12 | 12 | 0 | 11 | 11 | 0 | 22 | 22 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| | BERYLLIUM | 12 | 0 | 6 | 12 | 0 | 6 | 22 | 0 | 12 | 20 | 0 | 8 | 8 | 0 | 2 |
| | CADMIUM | 12 | 0 | 5 | 12 | 0 | 4 | 22 | 0 | 14 | 20 | 0 | 4 | 8 | 0 | 3 |
| | COBALT | 12 | 0 | 11 | 12 | 0 | 11 | 22 | 0 | 20 | 20 | 0 | 18 | 8 | 0 | 8 |
| | CHROMIUM | 12 | 3 | 9 | 12 | 2 | 10 | 22 | 6 | 16 | 20 | 6 | 14 | 8 | 1 | 7 |
| | COPPER | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 22 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| | IRON | 12 | 11 | 1 | 12 | 0 | 10 | 22 | 0 | 15 | 20 | 0 | 15 | 8 | 0 | 8 |
| | MERCURY | 12 | 4 | 6 | 12 | 3 | 4 | 11 | 6 | 2 | 10 | 6 | 3 | 4 | 3 | 0 |
| | MANGANESE | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 21 | 1 | 20 | 20 | 0 | 8 | 8 | 0 |
| | MOLYBDENUM | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 22 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| | NICKEL | 12 | 3 | 7 | 12 | 3 | 8 | 22 | 15 | 6 | 20 | 7 | 11 | 8 | 3 | 5 |
| | LEAD | 12 | 12 | 0 | 12 | 1 | 11 | 22 | 22 | 0 | 20 | 18 | 2 | 8 | 8 | 0 |
| | ANTIMONY | 11 | 10 | 1 | 12 | 11 | 1 | 22 | 21 | 1 | 20 | 20 | 0 | 8 | 7 | 1 |
| | SELENIUM | 11 | 0 | 8 | 11 | 0 | 11 | 22 | 0 | 20 | 18 | 0 | 18 | 6 | 0 | 6 |
| | STRONTIUM | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 20 | 2 | 20 | 20 | 0 | 8 | 8 | 0 |
| | TITANIUM | 12 | 12 | 0 | 12 | 11 | 1 | 22 | 20 | 2 | 20 | 20 | 0 | 8 | 8 | 0 |
| | THALLIUM | 12 | 1 | 4 | 12 | 0 | 6 | 22 | 0 | 6 | 20 | 0 | 7 | 8 | 0 | 2 |
| | URANIUM | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 20 | 2 | 20 | 20 | 0 | 8 | 8 | 0 |
| | VANADIUM | 12 | 3 | 9 | 12 | 10 | 2 | 22 | 10 | 12 | 20 | 14 | 6 | 8 | 6 | 2 |
| | ZINC | 12 | 12 | 0 | 12 | 12 | 0 | 22 | 22 | 0 | 20 | 20 | 0 | 8 | 8 | 0 |
| *TOTAL SCAN METALS | | 285 | 169 | 83 | 285 | 149 | 101 | 517 | 294 | 162 | 466 | 275 | 127 | 184 | 108 | 52 |
| *TOTAL GROUP INORGANIC & PHYSICAL | | 567 | 417 | 98 | 600 | 393 | 149 | 1033 | 743 | 198 | 946 | 691 | 167 | 369 | 269 | 64 |

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS

SUMMARY TABLE OF RESULTS (1988)

| SCAN | PARAMETER | SITE RAW TOTAL | RAW POSITIVE | RAW TRACE | TREATED TOTAL | TREATED POSITIVE | TREATED TRACE | SITE2 TOTAL | SITE2 POSITIVE | SITE2 TRACE | SITE3 TOTAL | SITE3 POSITIVE | SITE3 TRACE | SITE4 TOTAL | SITE4 POSITIVE | SITE4 TRACE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CHLOROAROMATICS | HEXACHLOROBUTADIENE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | 123 TRICHLOROBENZENE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | 1234 T-CHLOROBENZENE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | 1235 T-CHLOROBENZENE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | 124 TRICHLOROBENZENE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | 1245 T-CHLOROBENZENE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | 135 TRICHLOROBENZENE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | HCB | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | HEXACHLOROETHANE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | OCTACHLOROSTYRENE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | PENTACHLOROBENZENE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | 236 TRICHLOROTOLUENE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | 245 TRICHLOROTOLUENE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | 26A TRICHLOROTOLUENE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| *TOTAL SCAN CHLOROAROMATICS | | 154 | 0 | 0 | 154 | 0 | 0 | 154 | 0 | 0 | 126 | 0 | 0 | 56 | 0 | 0 |
| CHLOROPHENOLS | 234 TRICHLOROPHENOL | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | 2345 T-CHLOROPHENOL | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | 2356 T-CHLOROPHENOL | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | 245-TRICHLOROPHENOL | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | 246-TRICHLOROPHENOL | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | PENTACHLOROPHENOL | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| *TOTAL SCAN CHLOROPHENOLS | | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS

SUMMARY TABLE OF RESULTS (1988)

| SCAN | PARAMETER | SITE RAW TOTAL | RAW POSITIVE | RAW TRACE | TREATED TOTAL | TREATED POSITIVE | TREATED TRACE | SITE2 TOTAL | SITE2 POSITIVE | SITE2 TRACE | SITE3 TOTAL | SITE3 POSITIVE | SITE3 TRACE | SITE4 TOTAL | SITE4 POSITIVE | SITE4 TRACE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PAH | PHENANTHRENE | 12 | 0 | 0 | 12 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | ANTHRACENE | 12 | 0 | 0 | 12 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | FLUORANTHENE | 12 | 0 | 1 | 12 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | PYRENE | 12 | 0 | 0 | 12 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | BENZO(A)ANTHRACENE | 12 | 0 | 0 | 12 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | CHRYSENE | 12 | 0 | 0 | 12 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | DIMETH. BENZ(A)ANTHR | 12 | 0 | 0 | 12 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | BENZO(E) PYRENE | 12 | 0 | 0 | 12 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | BENZO(J) FLUORANTHEN | 0 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | BENZO(B) FLUORANTHEN | 12 | 0 | 0 | 12 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | PERYLENE | 12 | 0 | 0 | 12 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | BENZO(K) FLUORANTHEN | 12 | 1 | 1 | 12 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | BENZO(A) PYRENE | 12 | 0 | 0 | 12 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | BENZO(G,H,I) PERYLEN | 12 | 0 | 0 | 12 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | DIBENZO(A,H) ANTHRAC | 12 | 0 | 0 | 12 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | INDENO(1,2,3-C,D) PY | 12 | 0 | 0 | 12 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | BENZO(B) CHRYSENE | 12 | 0 | 0 | 12 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | ANTHANTHRENE | 0 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | CORONENE | 12 | 0 | 0 | 12 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| *TOTAL SCAN PAH | | 204 | 1 | 2 | 204 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PESTICIDES & PCB | ALDRIN | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | ALPHA BHC | 11 | 0 | 8 | 11 | 0 | 8 | 11 | 0 | 9 | 9 | 0 | 5 | 4 | 0 | 2 |

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS

SUMMARY TABLE OF RESULTS (1988)

| SCAN | PARAMETER | SITE RAW | | | TREATED | | | SITE2 | | | SITE3 | | | SITE4 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TOTAL | POSITIVE | TRACE | TOTAL | POSITIVE | TRACE | TOTAL | POSITIVE | TRACE | TOTAL | POSITIVE | TRACE | TOTAL | POSITIVE | TRACE |
| PESTICIDES & PCB | BETA BHC | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | LINDANE | 11 | 0 | 2 | 11 | 0 | 6 | 11 | 0 | 6 | 9 | 0 | 2 | 4 | 0 | 0 |
| | ALPHA CHLORDANE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | GAMMA CHLORDANE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | DIELDRIN | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | METHOXYCHLOR | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | ENDOSULFAN I | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | ENDOSULFAN II | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | ENDRIN | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | ENDOSULFAN SULPHATE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | HEPTACHLOR EPOXIDE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | HEPTACHLOR | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | MIREX | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | OXYCHLORDANE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | OPDDT | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | PCB | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | DDD | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | PPDDE | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | PPDDT | 11 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 |
| | AMETRINE | 12 | 0 | 0 | 12 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 4 | 0 | 0 |
| | ATRAZINE | 12 | 0 | 0 | 12 | 0 | 0 | 10 | 0 | 1 | 10 | 0 | 0 | 4 | 0 | 0 |
| | ATRATONE | 12 | 0 | 0 | 12 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 4 | 0 | 0 |
| | CYANAZINE | 12 | 0 | 0 | 12 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 4 | 0 | 0 |
| | DES ETHYL ATRAZINE | 6 | 0 | 0 | 6 | 0 | 0 | 5 | 0 | 0 | 5 | 0 | 0 | . | . | . |
| | DES ETHYL SIMAZINE | 6 | 0 | 0 | 6 | 0 | 0 | 5 | 0 | 0 | 5 | 0 | 0 | . | . | . |

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS

SUMMARY TABLE OF RESULTS (1988)

| SCAN | PARAMETER | SITE RAW TOTAL | RAW POSITIVE | RAW TRACE | TREATED TOTAL | TREATED POSITIVE | TREATED TRACE | SITE2 TOTAL | SITE2 POSITIVE | SITE2 TRACE | SITE3 TOTAL | SITE3 POSITIVE | SITE3 TRACE | SITE4 TOTAL | SITE4 POSITIVE | SITE4 TRACE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PESTICIDES & PCB | PROMETONE | 12 | 0 | 0 | 12 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 4 | 0 | 0 |
| | PROPAZINE | 12 | 0 | 0 | 12 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 4 | 0 | 0 |
| | PROMETRYNE | 12 | 0 | 0 | 12 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 4 | 0 | 0 |
| | METRIBUZIN | 12 | 0 | 0 | 12 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 4 | 0 | 0 |
| | SIMAZINE | 12 | 0 | 0 | 12 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 4 | 0 | 0 |
| | ALACHLOR | 12 | 0 | 0 | 12 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 4 | 0 | 0 |
| | METOLACHLOR | 12 | 0 | 0 | 12 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 4 | 0 | 0 |
| *TOTAL SCAN PESTICIDES & PCB | | 375 | 0 | 10 | 375 | 0 | 14 | 351 | 0 | 16 | 309 | 0 | 7 | 128 | 0 | 2 |
| PHENOLICS | PHENOLICS | 12 | 3 | 4 | 12 | 3 | 4 | . | . | . | . | . | . | . | . | . |
| *TOTAL SCAN PHENOLICS | | 12 | 3 | 4 | 12 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SPECIFIC PESTICIDES | TOXAPHENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2,4,5-T | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | 2,4-D | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | 24DCHLRPHENOXYBUTYRC | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | 2,4 D PROPIONIC ACID | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | DICAMBA | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | PICHLORAM | 0 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | SILVEX | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | DIAZINON | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS

SUMMARY TABLE OF RESULTS (1988)

| SCAN | PARAMETER | SITE RAW TOTAL | RAW POSITIVE | RAW TRACE | TREATED TOTAL | TREATED POSITIVE | TREATED TRACE | SITE2 TOTAL | SITE2 POSITIVE | SITE2 TRACE | SITE3 TOTAL | SITE3 POSITIVE | SITE3 TRACE | SITE4 TOTAL | SITE4 POSITIVE | SITE4 TRACE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIC PESTICIDES | DICHLOROVOS | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | CHLORPYRIFOS | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | ETHION | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | AZINPHOS-METHYL | 0 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | MALATHION | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | MEVINPHOS | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | METHYL PARATHION | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | METHYLTRITHION | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | PARATHION | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | PHORATE | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | RELDAN | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | RONNEL | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | AMINOCARB | 0 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | BENOMYL | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | BUX | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | CARBOFURAN | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | CICP | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | DIALLATE | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | EPTAM | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | IPC | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | PROPOXUR | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | CARBARYL | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| | BUTYLATE | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | . | . | . | . | . | . |
| *TOTAL SCAN SPECIFIC PESTICIDES | | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS

SUMMARY TABLE OF RESULTS (1988)

| SCAN | PARAMETER | SITE RAW TOTAL | RAW POSITIVE | RAW TRACE | TREATED TOTAL | TREATED POSITIVE | TREATED TRACE | SITE2 TOTAL | SITE2 POSITIVE | SITE2 TRACE | SITE3 TOTAL | SITE3 POSITIVE | SITE3 TRACE | SITE4 TOTAL | SITE4 POSITIVE | SITE4 TRACE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VOLATILES | BENZENE | 9 | 0 | 0 | 9 | 0 | 1 | 9 | 0 | 2 | 7 | 0 | 3 | 1 | 0 | 0 |
| | TOLUENE | 9 | 0 | 1 | 9 | 0 | 2 | 9 | 1 | 4 | 7 | 1 | 6 | 1 | 0 | 1 |
| | ETHYLBENZENE | 9 | 0 | 2 | 9 | 0 | 4 | 9 | 0 | 6 | 7 | 0 | 5 | 1 | 0 | 0 |
| | P-XYLENE | 9 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 |
| | M-XYLENE | 9 | 0 | 0 | 9 | 0 | 1 | 9 | 0 | 3 | 7 | 0 | 2 | 1 | 0 | 0 |
| | O-XYLENE | 9 | 0 | 1 | 9 | 0 | 1 | 9 | 0 | 4 | 7 | 0 | 2 | 1 | 0 | 0 |
| | STYRENE | 3 | 0 | 2 | 3 | 0 | 3 | 3 | 0 | 3 | 3 | 0 | 2 | . | . | . |
| | 1,1 DICHLOROETHYLENE | 9 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 |
| | METHYLENE CHLORIDE | 9 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 |
| | T1,2DICHLOROETHYLENE | 9 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 |
| | 1,1 DICHLOROETHANE | 9 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 |
| | CHLOROFORM | 9 | 0 | 3 | 9 | 9 | 0 | 9 | 9 | 0 | 7 | 7 | 0 | 1 | 1 | 0 |
| | 111, TRICHLOROETHANE | 9 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 |
| | 1,2 DICHLOROETHANE | 9 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 |
| | CARBON TETRACHLORIDE | 9 | 0 | 0 | 9 | 0 | 1 | 9 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 |
| | 1,2 DICHLOROPROPANE | 9 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 |
| | TRICHLOROETHYLENE | 9 | 0 | 1 | 9 | 0 | 1 | 9 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 |
| | DICHLOROBROMOMETHANE | 9 | 0 | 2 | 9 | 9 | 0 | 9 | 9 | 0 | 7 | 7 | 0 | 1 | 1 | 0 |
| | 112 TRICHLOROETHANE | 9 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 |
| | CHLORODIBROMOMETHANE | 9 | 0 | 0 | 9 | 9 | 0 | 9 | 9 | 0 | 7 | 7 | 0 | 1 | 1 | 0 |
| | T-CHLOROETHYLENE | 9 | 0 | 1 | 9 | 0 | 1 | 9 | 0 | 3 | 7 | 0 | 1 | 1 | 0 | 0 |
| | BROMOFORM | 9 | 0 | 0 | 9 | 0 | 9 | 9 | 0 | 7 | 7 | 0 | 7 | 1 | 0 | 1 |
| | 1122 T-CHLOROETHANE | 9 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 |
| | CHLOROBENZENE | 9 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 |
| | 1,4 DICHLOROBENZENE | 9 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 5 | 7 | 2 | 4 | 1 | 0 | 0 |

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS

SUMMARY TABLE OF RESULTS (1988)

| SCAN | PARAMETER | SITE RAW TOTAL | RAW POSITIVE | RAW TRACE | TREATED TOTAL | TREATED POSITIVE | TREATED TRACE | SITE2 TOTAL | SITE2 POSITIVE | SITE2 TRACE | SITE3 TOTAL | SITE3 POSITIVE | SITE3 TRACE | SITE4 TOTAL | SITE4 POSITIVE | SITE4 TRACE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VOLATILES | 1,3 DICHLOROBENZENE | 9 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 |
| | 1,2 DICHLOROBENZENE | 9 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 |
| | TRIFLUOROCHLOROTOLUE | 3 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 |
| | ETHLYENE DIBROMIDE | 9 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 |
| | TOTL TRIHALOMETHANES | 9 | 0 | 0 | 9 | 9 | 0 | 9 | 9 | 0 | 7 | 7 | 0 | 1 | 1 | 0 |
| *TOTAL SCAN VOLATILES | | 258 | 0 | 13 | 258 | 36 | 24 | 258 | 37 | 37 | 201 | 31 | 32 | 29 | 4 | 2 |
| *TOTAL GROUP ORGANIC | | 1037 | 4 | 29 | 1003 | 39 | 42 | 763 | 37 | 53 | 636 | 31 | 39 | 213 | 4 | 4 |
| TOTAL | | 1647 | 464 | 127 | 1646 | 440 | 191 | 1844 | 788 | 251 | 1618 | 726 | 206 | 598 | 275 | 68 |

## KEY TO TABLE 5 and 6

A ONTARIO DRINKING WATER OBJECTIVES (ODWO)
1. Maximum Acceptable Concentration (MAC)
1+. MAC for Total Trihalomethanes
1*. MAC for Bacteriological Analyses
Poor water quality is indicated when :
- total coliform counts > 0 < 5
- P/A Bottle Test is present after 48 hours
- Aeromonas organisms are detected in more than 25% of samples in a single submission or in successive submissions from the same sampling site
- Pseudomonas Aeruginosa, Staphylococcus Aureus and members of the Fecal Streptococcus group should not be detected in any sample
- Standard Plate Count should not exceed 500 organisms per ml at 35 $^{0}$C within 48 hours

2. Interim Maximum Acceptable Concentration (IMAC)
3. Maximum Desirable Concentration (MDC)
4. Aesthetic or Recommended Operational Guideline
- hardness levels between 80 and 100 mg/L as calcium carbonate are considered to provide an acceptable balance between corrosion and incrustation, water supplies with a hardness >200 mg/L are considered poor and those in excess of 500 mg/L are unacceptable.

B HEALTH & WELFARE CANADA (H&W)
1. Maximum Acceptable Concentration (MAC)
2. Proposed MAC
3. Interim MAC
4. Aesthetic Objective (AO) (for xylenes, the AO is a total)

C WORLD HEALTH ORGANIZATION (WHO)
1. Guideline Value (GV)
2. Tentative GV
3. Aesthetic GV

D US ENVIRONMENTAL PROTECTION AGENCY (EPA)
1. Maximum Contaminant Level (MCL)
2. Suggested No-Adverse Effect Level (SNAEL)
3. Lifetime Health Advisory
4. EPA Ambient Water Quality Criteria

F EUROPEAN ECONOMIC COMMUNITY (EEC)
1. Health Related Guideline Level
2. Aesthetic Guideline Level
3. Maximum Admissable Concentration (MADC)

G CALIFORNIA STATE DEPARTMENT OF HEALTH-GUIDELINE VALUE

H USSR MAXIMUM PERMISSIBLE CONCENTRATION

I NEW YORK STATE AMBIENT WATER GUIDELINE

N/A NONE AVAILABLE

## INTERPRETATION OF DATA

The interpretation of analytical results that are obtained from measurements near the limit of detection of the measurement process is subject to greater uncertainty than those at higher concentrations. The principle areas of concern relate to whether the substance has actually been detected, whether it has been properly identified, and whether it is an artifact of the measurement process. In other words, false positives can be caused by the instrumentation or the test procedures used, when in fact these compounds are not present in the sample.

There are several methods to treat data from such measurements:
1. Exclude the low-level data because of this uncertainty factor. However, studies of long-term environmental trends and modelling may be adversely affected by exclusion of such data.
2. Qualify these data so the user is aware of the greater uncertainty associated with their use.

For the Drinking Water Surveillance Program, measurements near the limit of detection of the measurement process are reported qualified by the code "<T". Results quantified by "W" indicate a zero measurement. These results are reported for purposes of modelling and long-term trend analysis and no significance should be attributed to a single determination of a substance below "T" (a single determination may well be a false positive). Repeat analysis or additional data are needed before it can be stated with certainty that the substance in question was truly present. On the other hand, it is less likely that repeated detection of a substance at or near the limit of detection at a specific location is solely due to an artifact in the measurement system, and more likely represents a true positive. However the average of such data is still only an estimate of the amount of substance present subject to the possible biases of the method used.

## LABORATORY RESULTS, REMARK DESCRIPTIONS

| | |
|---|---|
| . | No Sample Taken |
| BDL | Below Minimum Measurable Amount |
| <T | Greater Than Detection Limit But Not Confident (SEE INTERPRETATION OF RESULTS ABOVE) |
| > | Results Are Greater Than The Upper Limit |
| <=> | Approximate Result |
| !AW | No Data: Analysis Withdrawn |
| !CR | No Data: Could Not Confirm By Reanalysis |
| !CS | No Data: Contamination Suspected |
| !IL | No Data: Sample Incorrectly Labelled |
| !IS | No Data: Insufficient Sample |
| !LA | No Data: Laboratory Accident |

| | |
|---|---|
| !LD | No Data: Test Queued After Sample Discarded |
| !NA | No Data: No Authorization To Perform Reanalysis |
| !NP | No Data: No Procedure |
| !NR | No Data: Sample Not Received |
| !OP | No Data: Obscured Plate |
| !QU | No Data: Quality Control Unacceptable |
| !PE | No Data: Procedural Error - Sample Discarded |
| !PH | No Data: Sample pH Outside Valid Range |
| !RE | No Data: Received Empty |
| !RO | No Data: See Attached Report (no numeric results) |
| !SM | No Data: Sample Missing |
| !SS | No Data: Send Separate Sample Properly Preserved |
| !UI | No Data: Indeterminant Interference |
| !TX | No Data: Time Expired |
| A3C | Approximate, Total Count Exceeded 300 Colonies |
| APL | Additional Peak, Large, Not Priority Pollutant |
| APS | Additional Peak, Less Than, Not Priority Pollutant |
| CIC | Possible Contamination, Improper Cap |
| CRO | Calculated Result Only |
| PPS | Test Performed On Preserved Sample |
| RMP | P and M-Xylene Not Separated |
| RRV | Rerun Verification |
| RVU | Reported Value Unusual |
| SPS | Several Peaks, Small, Not Priority Pollutant |
| UAL | Unreliable: Sample Age Exceeds Normal Limit |
| UCR | Unreliable: Could Not Confirm By Reanalysis |
| UCS | Unreliable: Contamination Suspected |
| UIN | Unreliable: Indeterminant Interference |
| XP | Positive After X Number of Hours |
| T# (T06) | Result Taken After # Hours |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|
| | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| BACTERIOLOGICAL | | | | | | | | |
| AEROMONAS SP ( ) | | | DET'N LIMIT = N/A | | GUIDELINE = 0 (A1) | | | |
| APR | . | . | . | . | . | . | . | 0 |
| JUL | . | . | . | . | . | . | . | 0 |
| E. COLI P/A ( ) | | | DET'N LIMIT = N/A | | GUIDELINE = N/A | | | |
| APR | . | . | . | . | . | . | . | 0 |
| JUL | . | . | . | . | . | . | . | 0 |
| FECAL COLIFORM MF (CT/100ML ) | | | DET'N LIMIT = 0 | | GUIDELINE = 0 (A1) | | | |
| JAN | 32 | . | . | . | . | . | . | . |
| FEB | 2 | . | . | . | . | . | . | . |
| MAR | 7 | . | . | . | . | . | . | . |
| APR | 14 | . | . | . | . | . | . | . |
| MAY | 1 | . | . | . | . | . | . | . |
| JUN | 1 | . | . | . | . | . | . | . |
| JUL | 2 | . | . | . | . | . | . | . |
| AUG | 26 | . | . | . | . | . | . | . |
| SEP | 54 | . | . | . | . | . | . | . |
| OCT | 107 T24 | . | . | . | . | . | . | . |
| NOV | 52 T24 | . | . | . | . | . | . | . |
| DEC | 6 T24 | . | . | . | . | . | . | . |
| FECAL COLIFORM ( ) | | | DET'N LIMIT = N/A | | GUIDELINE = 0 (A1) | | | |
| APR | . | . | . | . | . | . | . | 0 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | | WATER TREATMENT PLANT | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|
| | SITE | | | SITE 2 | | SITE 3 | | SITE 4 | |
| | TYPE | RAW | TREATED | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| JUL | | . | . | . | . | . | . | . | 0 |
| STANDRD PLATE CNT MF (CT/ML ) | | | | DET'N LIMIT = 0 | | GUIDELINE = 500/ML (A1) | | | |
| JAN | | 410 | 0 | . | 1 | . | 0 | . | . |
| FEB | | 10P | 3 | . | 0 | . | 0 | . | 1AW |
| MAR | | 410 | 7 | . | 2 | . | 2 | . | 0 |
| APR | | 460 | 11 | . | 6 | . | 2 | . | 78 |
| MAY | | 280 | 0 | . | . | . | . | . | 5 |
| JUN | | 58 | 3 | . | 4 | . | . | . | 0 |
| JUL | | 98 | 0 | . | 0 | . | . | . | 27 |
| AUG | | 460 | 19 | . | 1AW | . | . | . | 5 |
| SEP | | . | 2 | . | . | . | . | . | 1AW |
| OCT | | . | 1 <=> | . | 0 <=> | . | . | . | 13 T06 |
| NOV | | . | 0 <=> | . | 2 <=> | . | . | . | 0 <=> |
| DEC | | . | 1 <=> | . | 6 <=> | . | . | . | 0 <=> |
| P/A BOTTLE ( ) | | | | DET'N LIMIT = 0 | | GUIDELINE = 0 (A1*) | | | |
| JAN | | . | 0 | . | 0 | . | 0 | . | . |
| FEB | | . | . | . | 0 | . | 0 | . | 0 |
| MAR | | . | 0 | . | 0 | . | 0 | . | 0 |
| APR | | . | 0 | . | 0 | . | 0 | . | 1 |
| MAY | | . | 0 | . | . | . | . | . | 0 |
| JUN | | . | 0 | . | 0 | . | . | . | 0 |
| JUL | | . | 0 | . | 0 | . | . | . | 1 |
| AUG | | . | 0 | . | 0 | . | . | . | 0 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | SITE TYPE | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| | | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| STAPH AUREUS ( ) | | DET'N LIMIT = N/A | | | | GUIDELINE = 0 (A1) | | | |
| APR | | . | . | . | . | . | . | . | 0 |
| JUL | | . | . | . | . | . | . | . | 0 |
| COLIFORM ( ) | | DET'N LIMIT = N/A | | | | GUIDELINE = 0 (A1) | | | |
| APR | | . | . | . | . | . | . | . | 0 |
| JUL | | . | . | . | . | . | . | . | 0 |
| TOTAL COLIFORM MF (CT/100ML ) | | DET'N LIMIT = 0 | | | | GUIDELINE = 5/100ML(A1) | | | |
| JAN | | 900 | 0 | . | 0 | . | 0 | . | . |
| FEB | | 54 | 0 | . | 0 | . | 0 | . | 0 |
| MAR | | 62 A3C | 0 | . | 0 | . | 0 | . | 0 |
| APR | | 212 A3C | 0 | . | 0 | . | 0 | . | 0 |
| MAY | | 28 | 0 | . | . | . | . | . | 0 |
| JUN | | 4 | 0 | . | 0 | . | . | . | 0 |
| JUL | | 54 | 0 | . | 0 | . | . | . | 0 |
| AUG | | 168 A3C | 0 | . | 0 | . | . | . | 0 |
| SEP | | 1200 | 0 | . | . | . | . | . | 0 |
| OCT | | 1280 A3C | 0 T24 | . | 0 T24 | . | . | . | 0 T06 |
| NOV | | 417 A3C | 0 T24 | . | 0 T24 | . | . | . | 0 T24 |
| DEC | | 72 T24 | 0 T24 | . | 0 T06 | . | . | . | 0 T24 |
| T COLIFORM BCKGRD MF (CT/100ML ) | | DET'N LIMIT = 0 | | | | GUIDELINE = N/A | | | |
| JAN | | 2600 | 0 | . | 0 | . | 0 | . | . |
| FEB | | 172 | 0 | . | 0 | . | 0 | . | 0 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | | WATER TREATMENT PLANT | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|
| | SITE TYPE | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| | | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| MAR | | 2000 | 0 | . | 0 | . | 0 | . | 0 |
| APR | | 1120 | 1 | . | 0 | . | 0 | . | 22 |
| MAY | | 480 | 0 | . | . | . | . | . | 0 |
| JUN | | 320 | 0 | . | 0 | . | . | . | 0 |
| JUL | | 118 | 0 | . | 0 | . | . | . | 0 |
| AUG | | 1800 | 2 | . | 0 | . | . | . | 0 |
| SEP | | 4800 | 0 | . | . | . | . | . | 0 |
| OCT | | 13000 | A3C 0 T24 | . | 0 T24 | . | . | . | 0 T06 |
| NOV | | 7450 | A3C 0 T24 | . | 0 T24 | . | . | . | 0 T24 |
| DEC | | 280 | T24 0 T24 | . | 0 T06 | . | . | . | 0 T24 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| SITE TYPE | RAW | WATER TREATMENT PLANT: TREATED | DISTRIBUTION SYSTEM: SITE 2 STANDING | SITE 2 FREE FLOW | SITE 3 STANDING | SITE 3 FREE FLOW | SITE 4 STANDING | SITE 4 FREE FLOW |
|---|---|---|---|---|---|---|---|---|
| CHEMISTRY (FLD) | | | | | | | | |
| FLD CHLORINE (COMB) ( ) | | DET'N LIMIT = N/A | | GUIDELINE = N/A | | | | |
| JAN | . | 1.200 | .150 | .500 | . | .300 | . | . |
| FEB | . | 1.280 | .500 | .700 | . | .400 | .600 | .600 |
| MAR | . | .800 | .300 | .300 | .400 | .400 | .100 | .500 |
| APR | . | 1.050 | .500 | .400 | .200 | .400 | .200 | .200 |
| MAY | . | .700 | . | . | . | . | .100 | .350 |
| JUN | . | 1.270 | .600 | .700 | . | . | .200 | .600 |
| JUL | . | .950 | .200 | .400 | . | . | . | .300 |
| AUG | . | .900 | .200 | .200 | . | . | .050 | .050 |
| SEP | . | 1.090 | . | . | . | . | . | . |
| OCT | . | .850 | .150 | .200 | . | . | . | .100 |
| NOV | . | 1.000 | .200 | .400 | . | . | .300 | .300 |
| DEC | . | 1.000 | .200 | .500 | . | . | . | .100 |
| FLD CHLORINE FREE ( ) | | DET'N LIMIT = N/A | | GUIDELINE = N/A | | | | |
| JAN | . | .050 | .500 | .100 | .100 | .200 | . | . |
| FEB | . | .040 | .100 | .100 | . | .200 | .200 | .400 |
| MAR | . | .050 | .100 | .200 | . | .200 | .450 | .350 |
| APR | . | .100 | .100 | .400 | .100 | .300 | .200 | .400 |
| MAY | . | .100 | . | . | . | . | .100 | .350 |
| JUN | . | .080 | .100 | .100 | . | . | .400 | .100 |
| JUL | . | .150 | .300 | .300 | . | . | .200 | .100 |
| AUG | . | . | .300 | .300 | . | . | . | .150 |
| SEP | . | .050 | . | . | . | . | .000 | . |
| OCT | . | . | .100 | .200 | . | . | .100 | .100 |
| NOV | . | .200 | .100 | .100 | . | . | .200 | .400 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| SITE | | WATER TREATMENT PLANT | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|
| TYPE | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| DEC | . | .100 | .100 | .100 | . | . | .100 | .100 |
| FLD CHLORINE (TOTAL) ( ) | | DET'N LIMIT = N/A | | GUIDELINE = N/A | | | | |
| JAN | . | 1.250 | .650 | .600 | .100 | .500 | . | . |
| FEB | . | 1.320 | .600 | .800 | . | .600 | .800 | 1.000 |
| MAR | . | .950 | .400 | .500 | .400 | .600 | .600 | .850 |
| APR | . | 1.150 | .600 | .800 | .300 | .700 | .400 | .600 |
| MAY | . | .800 | . | . | . | . | .200 | .700 |
| JUN | . | 1.350 | .700 | .800 | . | . | .600 | .700 |
| JUL | . | 1.100 | .500 | .700 | . | . | .200 | .400 |
| AUG | . | .900 | .500 | .500 | . | . | .050 | .200 |
| SEP | . | 1.140 | . | . | . | . | . | . |
| OCT | . | .850 | .250 | .400 | . | . | .100 | .200 |
| NOV | . | 1.200 | .300 | .500 | . | . | .500 | .700 |
| DEC | . | 1.100 | .300 | .600 | . | . | .100 | .200 |
| FLD PH (DIMNSLESS ) | | DET'N LIMIT = N/A | | GUIDELINE = 6.5-8.5(A4) | | | | |
| JAN | 7.800 | 7.700 | 7.450 | 7.450 | 7.400 | 7.400 | . | . |
| FEB | 7.700 | 7.040 | 7.400 | 7.400 | 7.000 | 7.200 | 7.500 | 7.500 |
| MAR | 8.040 | 7.010 | 7.600 | 7.600 | 7.800 | 7.600 | 7.400 | 7.700 |
| APR | 8.040 | 7.100 | 7.400 | 7.400 | 7.600 | 7.600 | 7.500 | 7.500 |
| MAY | 7.900 | 7.000 | . | . | . | . | 7.300 | 7.300 |
| JUN | 8.100 | 7.190 | 7.500 | 7.600 | . | . | 7.200 | 7.200 |
| JUL | 8.200 | 7.350 | 7.400 | 7.400 | . | . | 7.600 | 7.400 |
| AUG | 8.100 | 7.200 | 7.400 | 7.400 | . | . | 7.400 | 7.500 |
| SEP | 7.730 | 7.100 | . | . | . | . | 7.030 | 6.870 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | | WATER TREATMENT PLANT | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|
| | SITE TYPE RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| OCT | 7.960 | 7.320 | 7.600 | 7.400 | . | . | 7.400 | 7.400 |
| NOV | 7.700 | 7.000 | 7.400 | 7.400 | . | . | 7.500 | 7.400 |
| DEC | 7.800 | 7.400 | 7.600 | 7.600 | . | . | 7.400 | 7.800 |
| FLD TEMPERATURE (DEG.C ) | | | DET'N LIMIT = N/A | | GUIDELINE = 15 (A1) | | | |
| JAN | 15.000 | 14.000 | 14.500 | 6.000 | 18.000 | 12.000 | . | . |
| FEB | 5.000 | 4.000 | 14.000 | 7.500 | 18.000 | 10.000 | 8.500 | 6.500 |
| MAR | 6.000 | 6.000 | 13.000 | 4.500 | 18.000 | 14.000 | 18.000 | 5.500 |
| APR | 7.000 | 7.000 | 13.000 | 6.000 | 19.000 | 14.000 | 12.000 | 8.000 |
| MAY | 8.000 | 8.000 | . | . | . | . | 18.000 | 12.000 |
| JUN | 9.500 | 8.000 | 15.000 | 18.000 | . | . | 16.000 | 12.000 |
| JUL | 11.000 | 11.000 | 16.000 | 13.000 | . | . | 20.000 | 14.000 |
| AUG | 15.500 | 13.000 | 18.000 | 16.500 | . | . | 24.000 | 17.500 |
| SEP | 16.000 | 16.000 | . | . | . | . | 21.000 | 18.000 |
| OCT | 14.000 | 13.500 | 17.000 | 14.000 | . | . | 21.000 | 20.000 |
| NOV | 9.000 | 7.000 | 18.000 | 10.000 | . | . | 19.000 | 13.000 |
| DEC | 8.000 | 6.000 | 16.000 | 8.000 | . | . | 18.000 | 11.000 |
| FLD TURBIDITY (FTU ) | | | DET'N LIMIT = N/A | | GUIDELINE = 1.0 (A1) | | | |
| JAN | 4.100 | .210 | .260 | .160 | .110 | .120 | . | . |
| FEB | 1.500 | .170 | .210 | .200 | .180 | .200 | .190 | .280 |
| MAR | 2.700 | .170 | 2.000 | 2.600 | .200 | .170 | .190 | .280 |
| APR | 34.000 | .270 | .280 | .210 | .190 | .170 | .140 | .250 |
| MAY | 2.700 | .270 | . | . | . | . | .220 | .250 |
| JUN | 3.200 | .230 | .270 | .250 | . | . | .360 | .280 |
| JUL | 2.800 | .210 | .440 | .370 | . | . | .320 | .390 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| SITE TYPE | WATER TREATMENT PLANT | | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|
| | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| AUG | 3.600 | .400 | .340 | .420 | . | . | .360 | .380 |
| SEP | 5.000 | .210 | . | . | . | . | .270 | .270 |
| OCT | 2.800 | .190 | .300 | .320 | . | . | .480 | .420 |
| NOV | 3.500 | .250 | .250 | .300 | . | . | .200 | .210 |
| DEC | 1.900 | .150 | .350 | .250 | . | . | .280 | .420 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|
| SITE | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| CHEMISTRY (LAB) | | | | | | | | |
| ALKALINITY (MG/L ) | | | DET'N LIMIT = .200 | | GUIDELINE = 30-500 (A4) | | | |
| JAN | 106.000 | 93.400 | 96.500 | 98.500 | 97.400 | 95.900 | . | . |
| FEB | 102.800 | 93.400 | 93.500 | 94.400 | 96.300 | 96.600 | 94.200 | 94.400 |
| MAR | 104.200 | 96.300 | 96.700 | 95.700 | 96.700 | 97.100 | 96.100 | 94.900 |
| APR | 105.100 | 93.700 | 95.100 | 95.200 | 95.600 | 96.400 | 93.400 | 93.300 |
| MAY | 105.000 | 92.000 | . | . | . | . | 95.200 | 93.700 |
| JUN | 103.300 | 92.400 | 94.900 | 96.800 | . | . | 95.700 | 93.900 |
| JUL | 102.900 | 93.100 | 95.600 | 96.500 | . | . | 94.200 | 94.100 |
| AUG | 101.500 | 91.400 | 92.800 | 94.200 | . | . | 94.100 | 93.700 |
| SEP | 99.400 | 88.800 | . | . | . | . | 91.800 | 92.200 |
| OCT | 100.700 | 93.100 | 94.100 | 94.800 | . | . | 92.400 | 93.300 |
| NOV | 103.900 | 90.800 | 94.500 | 94.300 | . | . | 93.900 | 95.200 |
| DEC | 107.400 | 97.900 | 96.500 | 96.600 | . | . | 94.600 | 97.100 |
| CALCIUM (MG/L ) | | | DET'N LIMIT = .100 | | GUIDELINE = 100 (F2) | | | |
| JAN | 44.600 | 44.200 | 44.000 | 43.200 | 47.600 | 45.800 | . | . |
| FEB | 41.200 | 41.200 | 43.400 | 41.200 | 43.000 | 42.200 | 42.600 | 41.800 |
| MAR | 42.000 | 42.800 | 38.200 | 38.400 | 44.200 | 42.800 | 33.000 | 40.000 |
| APR | 42.000 | 44.400 | 42.400 | 42.000 | 43.400 | 44.000 | 40.800 | 43.000 |
| MAY | 40.000 | 40.600 | . | . | . | . | BDL | BDL |
| JUN | 41.800 | 40.000 | 40.400 | 40.000 | . | . | 40.000 | 39.600 |
| JUL | 41.000 | 41.600 | 39.600 | 39.800 | . | . | 39.000 | 41.200 |
| AUG | 38.900 | 38.800 | 39.200 | 39.300 | . | . | 41.500 | 40.200 |
| SEP | 40.800 | 40.000 | . | . | . | . | 40.400 | 41.600 |
| OCT | 40.400 | 41.600 | 41.400 | 41.200 | . | . | 40.400 | 43.000 |
| NOV | 40.800 | 40.600 | 40.800 | 41.800 | . | . | 41.200 | 41.600 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | | WATER TREATMENT PLANT | | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|---|
| SITE TYPE | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| DEC | 42.000 | 42.200 | 39.600 | 41.800 | . | . | 38.600 | 40.600 |
| CYANIDE (MG/L ) | | | DET'N LIMIT = 0.001 | | GUIDELINE = .200 (A1) | | | |
| JAN | BDL | BDL | . | BDL | . | BDL | . | . |
| FEB | BDL | BDL | . | BDL | . | .003 <T | . | BDL |
| MAR | BDL | BDL | . | BDL | . | BDL | . | BDL |
| APR | BDL | BDL | . | BDL | . | BDL | . | BDL |
| MAY | BDL | BDL | . | . | . | . | . | BDL |
| JUN | BDL | BDL | . | BDL | . | . | . | BDL |
| JUL | BDL | BDL | . | BDL | . | . | . | BDL |
| AUG | BDL | BDL | . | BDL | . | . | . | BDL |
| SEP | BDL | BDL | . | . | . | . | . | BDL |
| OCT | BDL | BDL | . | BDL | . | . | . | BDL |
| NOV | BDL | BDL | . | BDL | . | . | . | BDL |
| DEC | BDL | BDL | . | BDL | . | . | . | BDL |
| CHLORIDE (MG/L ) | | | DET'N LIMIT = .200 | | GUIDELINE = 250 (A3) | | | |
| JAN | 27.200 | 30.300 | 29.000 | 28.800 | 30.700 | 30.000 | . | . |
| FEB | 25.700 | 28.500 | 27.300 | 27.000 | 29.200 | 28.800 | 28.800 | 29.200 |
| MAR | 32.600 | 35.100 | 30.100 | 29.300 | 32.600 | 31.300 | 31.800 | 30.900 |
| APR | 30.800 | 32.500 | 32.800 | 33.200 | 32.100 | 32.900 | 33.200 | 33.200 |
| MAY | 28.300 | 31.700 | . | . | . | . | 32.400 | 31.400 |
| JUN | 23.800 | 26.300 | 27.000 | 26.400 | . | . | 27.000 | 25.900 |
| JUL | 24.700 | 27.900 | 27.400 | 27.100 | . | . | 27.600 | 27.600 |
| AUG | 23.900 | 25.500 | 26.300 | 26.400 | . | . | 26.400 | 25.900 |
| SEP | 22.800 | 26.000 | . | . | . | . | 25.400 | 25.100 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | WATER TREATMENT PLANT | | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|
| SITE | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| OCT | 23.200 | 24.500 | 25.600 | 25.400 | . | . | 26.500 | 26.900 |
| NOV | 24.100 | 26.700 | 26.500 | 26.400 | . | . | 26.300 | 26.300 |
| DEC | 24.400 | 26.500 | 25.700 | 25.300 | . | . | 26.000 | 26.400 |
| COLOUR (HZU ) | | | DET'N LIMIT = .5 | | GUIDELINE = 5.0 (A3) | | | |
| JAN | 3.000 | .500 <T | 1.000 <T | 1.000 <T | 1.500 <T | 1.000 <T | . | . |
| FEB | 2.500 | .500 <T | BDL | BDL | .500 <T | BDL | BDL | BDL |
| MAR | 3.000 | 1.000 <T | 1.500 <T | 1.000 <T | 1.000 <T | 1.000 <T | 1.000 <T | 1.000 <T |
| APR | 1.000 <T | .500 <T | 1.000 <T | 1.000 <T | 1.500 <T | 1.000 <T | 1.000 <T | 1.500 <T |
| MAY | 3.000 | 1.000 <T | . | . | . | . | 2.000 <T | 1.000 <T |
| JUN | 2.500 | 1.500 <T | 2.000 <T | 1.500 <T | . | . | 2.000 <T | 1.500 <T |
| JUL | 2.500 | 1.000 <T | 1.000 <T | 1.000 <T | . | . | 1.000 <T | 1.000 <T |
| AUG | 3.000 | 1.000 <T | 1.000 <T | 1.000 <T | . | . | 1.000 <T | 1.500 <T |
| SEP | 2.000 <T | 1.000 <T | . | . | . | . | 1.000 <T | 1.000 <T |
| OCT | 2.000 <T | 1.000 <T | 1.000 <T | 1.000 <T | . | . | 1.000 <T | 1.000 <T |
| NOV | 2.000 <T | .500 <T | .500 <T | .500 <T | . | . | .500 <T | .500 <T |
| DEC | 2.000 <T | 1.000 <T | 1.000 <T | .500 <T | . | . | 1.000 <T | 1.000 <T |
| CONDUCTIVITY (UMHO/CM ) | | | DET'N LIMIT = 1 | | GUIDELINE = 400 (F2) | | | |
| JAN | 351 | 361 | 359 | 365 | 371 | 366 | . | . |
| FEB | 343 | 367 | 341 | 341 | 361 | 360 | 353 | 352 |
| MAR | 367 | 376 | 356 | 349 | 365 | 363 | 362 | 353 |
| APR | 355 | 365 | 361 | 363 | 362 | 362 | 359 | 365 |
| MAY | 356 | 363 | . | . | . | . | 382 | 378 |
| JUN | 332 | 337 | 341 | 346 | . | . | 348 | 346 |
| JUL | 330 | 337 | 338 | 337 | . | . | 334 | 335 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | WATER TREATMENT PLANT | | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|
| SITE | | | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | RAW | TREATED | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| AUG | 330 | 336 | 337 | 340 | . | . | 336 | 336 |
| SEP | 327 | 334 | . | . | . | . | 333 | 335 |
| OCT | 331 | 332 | 335 | 334 | . | . | 335 | 340 |
| NOV | 337 | 347 | 345 | 344 | . | . | 343 | 345 |
| DEC | 349 | 355 | 342 | 341 | . | . | 337 | 345 |
| FLUORIDE (MG/L ) | | | DET'N LIMIT = .01 | | GUIDELINE = 2.400 (A1) | | | |
| JAN | .120 | .940 | .900 | .900 | 1.160 | 1.100 | . | . |
| FEB | .140 | 1.140 | .960 | .900 | 1.260 | 1.200 | .920 | .820 |
| MAR | .130 | .940 | 1.000 | 1.000 | .950 | .930 | .940 | .940 |
| APR | .140 | .990 | .940 | .930 | 1.050 | 1.010 | .940 | .950 |
| MAY | .150 | 1.090 | . | . | . | . | 1.020 | .850 |
| JUN | .130 | .830 | .730 | .700 | . | . | .740 | .710 |
| JUL | .140 | .990 | .980 | .980 | . | . | .970 | .970 |
| AUG | .130 | 1.010 | 1.110 | 1.100 | . | . | .850 | .970 |
| SEP | .120 | 1.140 | . | . | . | . | .960 | 1.020 |
| OCT | .140 | 1.160 | 1.040 | 1.040 | . | . | .980 | 1.040 |
| NOV | .140 | 1.160 | 1.080 | 1.080 | . | . | 1.040 | 1.060 |
| DEC | .140 | 1.180 | 1.120 | 1.080 | . | . | 1.020 | 1.100 |
| HARDNESS (MG/L ) | | | DET'N LIMIT = .500 | | GUIDELINE = 80-100 (A4) | | | |
| JAN | 151.000 | 149.000 | 148.000 | 145.000 | 157.000 | 153.000 | . | . |
| FEB | 140.000 | 140.000 | 145.000 | 138.000 | 144.000 | 142.000 | 143.000 | 140.000 |
| MAR | 142.000 | 143.000 | 131.000 | 131.000 | 146.000 | 142.000 | 110.000 | 135.000 |
| APR | 140.000 | 147.000 | 142.000 | 141.000 | 143.000 | 145.000 | 136.000 | 143.000 |
| MAY | 134.000 | 135.000 | . | . | . | . | BDL | BDL |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|
| SITE | | | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | RAW | TREATED | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| JUN | 138.000 | 134.000 | 134.000 | 134.000 | . | . | 134.000 | 133.000 |
| JUL | 137.000 | 139.000 | 134.000 | 134.000 | . | . | 132.000 | 138.000 |
| AUG | 131.300 | 131.000 | 132.000 | 133.000 | . | . | 136.500 | 134.500 |
| SEP | 136.000 | 133.000 | . | . | . | . | 135.000 | 138.000 |
| OCT | 138.000 | 140.000 | 140.000 | 139.000 | . | . | 137.000 | 144.000 |
| NOV | 141.000 | 139.000 | 139.000 | 142.000 | . | . | 140.000 | 141.000 |
| DEC | 140.000 | 140.000 | 134.000 | 141.000 | . | . | 133.000 | 138.000 |
| IONCAL (DIMNSLESS ) | | | DET'N LIMIT = N/A | | GUIDELINE = N/A | | | |
| JAN | .000 NAF | .000 NAF | .000 NAF | .000 NAF | .000 NAF | .000 NAF | . | . |
| FEB | .000 NAF | .000 NAF | .000 NAF | .000 NAF | .000 NAF | .000 NAF | .000 NAF | .000 NAF |
| MAR | .000 NAF | .000 NAF | .000 NAF | .000 NAF | .000 NAF | .000 NAF | .000 NAF | .000 NAF |
| APR | .000 NAF | .000 NAF | .000 NAF | .000 NAF | .000 NAF | .000 NAF | .000 NAF | .000 NAF |
| MAY | .000 NAF | .000 NAF | . | . | . | . | .000 NAF | .000 NAF |
| JUN | .000 NAF | .000 NAF | .000 NAF | .000 NAF | . | . | .000 NAF | .000 NAF |
| JUL | .000 NAF | .000 NAF | .000 NAF | .000 NAF | . | . | .000 NAF | .000 NAF |
| AUG | 5.778 | 3.524 | 3.940 | 3.115 | . | . | 1.070 | 2.102 |
| SEP | 1.302 | 1.836 | . | . | . | . | 2.350 | 3.485 |
| OCT | .941 | 3.737 | 3.570 | 3.170 | . | . | 2.485 | 5.836 |
| NOV | .663 | 1.498 | 1.354 | 3.009 | . | . | 2.873 | 1.947 |
| DEC | 4.255 | 2.143 | 3.523 | .058 | . | . | 2.036 | 2.271 |
| LANGELIERS INDEX (DIMNSLESS ) | | | DET'N LIMIT = N/A | | GUIDELINE = N/A | | | |
| JAN | .448 NAF | -.121 NAF | .481 NAF | .461 NAF | .468 NAF | .505 NAF | . | . |
| FEB | .401 NAF | .107 NAF | .373 NAF | .375 NAF | .280 NAF | .233 NAF | .317 NAF | .360 NAF |
| MAR | .383 NAF | .236 NAF | .181 NAF | .299 NAF | .283 NAF | .221 NAF | .114 NAF | .213 NAF |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|
| SITE | | | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | RAW | TREATED | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| APR | .498 NAF | .381 NAF | .418 NAF | .394 NAF | .431 NAF | .450 NAF | .324 NAF | .286 NAF |
| MAY | .476 NAF | .225 NAF | . | . | . | . | . | . |
| JUN | .551 NAF | .403 NAF | .368 NAF | .442 NAF | . | . | .437 NAF | .425 NAF |
| JUL | .421 NAF | .143 NAF | .223 NAF | .229 NAF | . | . | .150 NAF | .214 NAF |
| AUG | .442 | .335 | .356 | .433 | . | . | .377 | .361 |
| SEP | .294 | .146 | . | . | . | . | .235 | .239 |
| OCT | .405 | .374 | .406 | .407 | . | . | .357 | .398 |
| NOV | .512 | .021 | .070 | .140 | . | . | .202 | .232 |
| DEC | .508 | .389 | .367 | .381 | . | . | .388 | .410 |
| MAGNESIUM (MG/L ) | | | DET'N LIMIT = .050 | | GUIDELINE = 30 (F2) | | | |
| JAN | 9.500 | 9.300 | 9.300 | 9.100 | 9.300 | 9.400 | . | . |
| FEB | 8.900 | 9.100 | 8.800 | 8.600 | 8.900 | 8.900 | 9.000 | 8.700 |
| MAR | 8.900 | 8.900 | 8.700 | 8.600 | 8.700 | 8.600 | 6.600 | 8.500 |
| APR | 8.600 | 8.900 | 8.700 | 8.800 | 8.500 | 8.500 | 8.400 | 8.600 |
| MAY | 8.200 | 8.200 | . | . | . | . | BDL | BDL |
| JUN | 8.100 | 8.200 | 8.200 | 8.200 | . | . | 8.200 | 8.200 |
| JUL | 8.400 | 8.600 | 8.400 | 8.500 | . | . | 8.500 | 8.500 |
| AUG | 8.330 | 8.200 | 8.200 | 8.400 | . | . | 8.000 | 8.300 |
| SEP | 8.300 | 8.100 | . | . | . | . | 8.300 | 8.100 |
| OCT | 8.900 | 8.700 | 8.900 | 8.800 | . | . | 8.700 | 8.900 |
| NOV | 9.400 | 9.300 | 9.100 | 9.100 | . | . | 9.000 | 9.000 |
| DEC | 8.600 | 8.400 | 8.600 | 8.800 | . | . | 8.700 | 9.000 |
| SODIUM (MG/L ) | | | DET'N LIMIT = .200 | | GUIDELINE = 200 (C3) | | | |
| JAN | 15.200 | 15.000 | 15.200 | 15.000 | 15.800 | 15.000 | . | . |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|
| SITE | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| FEB | 14.800 | 14.200 | 14.400 | 13.200 | 14.400 | 14.200 | 13.600 | 13.600 |
| MAR | 17.600 | 17.600 | 14.800 | 14.600 | 16.000 | 15.800 | 27.200 | 15.000 |
| APR | 16.000 | 17.400 | 17.000 | 16.800 | 16.800 | 16.800 | 18.200 | 17.400 |
| MAY | 15.000 | 15.000 | . | . | . | . | 83.200 ARW | 82.000 ARW |
| JUN | 12.200 | 12.200 | 12.800 | 12.800 | . | . | 13.200 | 13.000 |
| JUL | 13.200 | 13.400 | 13.600 | 13.800 | . | . | 14.000 | 13.200 |
| AUG | 12.000 | 12.200 | 12.400 | 13.000 | . | . | 13.800 | 12.200 |
| SEP | 12.200 | 12.600 | . | . | . | . | 12.800 | 12.600 |
| OCT | 12.600 | 12.400 | 13.400 | 13.400 | . | . | 13.800 | 14.000 |
| NOV | 12.600 | 12.600 | 13.000 | 12.800 | . | . | 13.200 | 12.800 |
| DEC | 13.000 | 12.600 | 13.600 | 13.200 | . | . | 13.800 | 13.600 |
| AMMONIUM TOTAL (MG/L ) | | | DET'N LIMIT = 0.002 | | GUIDELINE = .05 (F2) | | | |
| JAN | .040 | .134 | .126 | .128 | .066 | .068 | . | . |
| FEB | .012 | .158 | .100 | .104 | .136 | .110 | .140 | .138 |
| MAR | .052 | .204 | .044 | .024 | .158 | .144 | .218 | .220 |
| APR | .016 | .160 | .096 | .106 | .114 | .094 | .116 | .170 |
| MAY | .158 | .246 | . | . | . | . | .060 | .084 |
| JUN | .044 | .062 | .116 | .108 | . | . | .174 | .128 |
| JUL | .142 | .010 | .052 | .010 | . | . | .054 | .046 |
| AUG | .006 <T | .090 | .078 | .058 | . | . | .022 | .036 |
| SEP | .016 | .158 | . | . | . | . | .146 | .126 |
| OCT | .026 | .138 | .020 | .006 <T | . | . | .010 | .012 |
| NOV | .004 <T | .094 | .004 <T | .008 <T | . | . | .078 | .084 |
| DEC | .012 | .062 | .038 | .028 | . | . | .052 | .034 |
| NITRITE (MG/L ) | | | DET'N LIMIT = 0.001 | | GUIDELINE = 1.000 (A1) | | | |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| SITE | | WATER TREATMENT PLANT | | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|---|
| TYPE | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| JAN | .005 | .001 <T | .004 <T | .002 <T | .020 | .005 | . | . |
| FEB | .004 <T | .001 <T | .005 | .003 <T | .029 | .001 <T | .003 <T | .004 <T |
| MAR | .007 | .001 <T | .002 <T | .001 <T | .010 | .003 <T | .009 | .003 <T |
| APR | .056 | .001 <T | .005 | .002 <T | .009 | .002 <T | .005 | .003 <T |
| MAY | .069 | .001 <T | . | . | . | . | .009 | .004 <T |
| JUN | .003 <T | .001 <T | .002 <T | .001 <T | . | . | .00[illegible] | .002 <T |
| JUL | .017 | .001 <T | .003 <T | .001 <T | . | . | .004 | .002 <T |
| AUG | .001 <T | .002 <T | .004 <T | .001 <T | . | . | .004 <T | .002 <T |
| SEP | .008 | BDL | . | . | . | . | .007 | .002 <T |
| OCT | .006 | .003 <T | .004 <T | .003 <T | . | . | .004 <T | .003 <T |
| NOV | .005 | .001 <T | .001 <T | .007 | . | . | .015 | .007 |
| DEC | .002 <T | .001 <T | .003 <T | .002 <T | . | . | .006 | .002 <T |
| TOTAL NITRATES (MG/L ) | | | DET'N LIMIT = .020 | | GUIDELINE = 10.000 (A1) | | | |
| JAN | .590 | .600 | .565 | .550 | .635 | .590 | . | . |
| FEB | .445 | .465 | .430 | .415 | .480 | .435 | .525 | .430 |
| MAR | .470 | .460 | .430 | .420 | .450 | .425 | .505 | .420 |
| APR | .565 | .500 | .515 | .510 | .460 | .460 | .505 | .495 |
| MAY | .510 | .455 | . | . | . | . | .485 | .455 |
| JUN | .365 | .355 | .365 | .360 | . | . | .390 | .390 |
| JUL | .410 | .390 | .395 | .360 | . | . | .390 | .380 |
| AUG | .390 | .305 | .290 | .270 | . | . | .290 | .285 |
| SEP | .310 | .290 | . | . | . | . | .310 | .330 |
| OCT | .285 | .280 | .315 | .290 | . | . | .330 | .325 |
| NOV | .470 | .470 | .445 | .435 | . | . | .465 | .460 |
| DEC | .440 | .455 | .430 | .430 | . | . | .430 | .445 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| SITE TYPE | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|
| | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| NITROGEN TOT KJELD (MG/L ) | | | DET'N LIMIT = .020 | | GUIDELINE = N/A | | | |
| JAN | .260 | .270 | .380 | .340 | .240 | .300 | . | . |
| FEB | .220 | .300 | .260 | .250 | .380 | .300 | .370 | .290 |
| MAR | .300 | .330 | .240 | .220 | .360 | .280 | .560 | .450 |
| APR | .360 | .400 | .340 | .340 | .390 | .360 | .320 | .510 |
| MAY | .390 | .460 | . | . | . | . | .490 | .380 |
| JUN | .270 | .230 | .300 | .320 | . | . | .480 | .310 |
| JUL | .450 | .190 | .260 | .190 | . | . | .390 | .260 |
| AUG | .260 | .250 | .240 | .230 | . | . | .190 | .210 |
| SEP | .300 | .340 | . | . | . | . | .380 | .310 |
| OCT | .220 | .270 | .180 | .170 | . | . | .170 | .190 |
| NOV | .280 | .250 | .160 | .150 | . | . | .250 | .270 |
| DEC | .230 | .230 | .220 | .190 | . | . | .230 | .200 |
| PH (DIMENSLESS ) | | | DET'N LIMIT = N/A | | GUIDELINE = 6.5-8.5(A4) | | | |
| JAN | 8.220 | 7.710 | 8.300 | 8.280 | 8.250 | 8.310 | . | . |
| FEB | 8.220 | 7.970 | 8.210 | 8.230 | 8.110 | 8.070 | 8.160 | 8.210 |
| MAR | 8.190 | 8.070 | 8.060 | 8.180 | 8.100 | 8.050 | 8.060 | 8.080 |
| APR | 8.300 | 8.210 | 8.260 | 8.240 | 8.260 | 8.270 | 8.190 | 8.130 |
| MAY | 8.300 | 8.100 | . | . | . | . | 8.200 | 8.190 |
| JUN | 8.360 | 8.280 | 8.230 | 8.300 | . | . | 8.300 | 8.300 |
| JUL | 8.240 | 8.000 | 8.090 | 8.090 | . | . | 8.030 | 8.070 |
| AUG | 8.290 | 8.230 | 8.240 | 8.310 | . | . | 8.230 | 8.230 |
| SEP | 8.130 | 8.040 | . | . | . | . | 8.110 | 8.100 |
| OCT | 8.240 | 8.230 | 8.260 | 8.260 | . | . | 8.230 | 8.240 |
| NOV | 8.330 | 7.900 | 7.930 | 7.990 | . | . | 8.060 | 8.080 |
| DEC | 8.300 | 8.220 | 8.230 | 8.220 | . | . | 8.270 | 8.260 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | | WATER TREATMENT PLANT | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|
| SITE TYPE | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| PHOSPHORUS FIL REACT (MG/L ) | | DET'N LIMIT = .0005 | | GUIDELINE = N/A | | | | |
| JAN | .006 | .002 <T | . | . | . | . | . | . |
| FEB | .003 | .002 <T | . | . | . | . | . | . |
| MAR | .006 | .000 <T | . | . | . | . | . | . |
| APR | .011 | .001 <T | . | . | . | . | . | . |
| MAY | .008 | .000 <T | . | . | . | . | . | . |
| JUN | .002 | .000 <T | . | . | . | . | . | . |
| JUL | .006 | .001 <T | . | . | . | . | . | . |
| AUG | .008 | .001 <T | . | . | . | . | . | . |
| SEP | .001 <T | .001 <T | . | . | . | . | . | . |
| OCT | .004 | .002 <T | . | . | . | . | . | . |
| NOV | .001 <T | .001 <T | . | . | . | . | . | . |
| DEC | .001 <T | .001 <T | . | . | . | . | . | . |
| PHOSPHORUS TOTAL (MG/L ) | | DET'N LIMIT = .002 | | GUIDELINE = .40 (F2) | | | | |
| JAN | .017 | BDL | . | . | . | . | . | . |
| FEB | .011 | .002 <T | . | . | . | . | . | . |
| MAR | .018 | .004 <T | . | . | . | . | . | . |
| APR | .059 | .002 <T | . | . | . | . | . | . |
| MAY | .021 | .002 <T | . | . | . | . | . | . |
| JUN | .013 | .003 <T | . | . | . | . | . | . |
| JUL | .022 | .005 <T | . | . | . | . | . | . |
| AUG | .018 | .004 <T | . | . | . | . | . | . |
| SEP | .014 | BDL | . | . | . | . | . | . |
| OCT | .014 | .005 <T | . | . | . | . | . | . |
| NOV | .013 | BDL | . | . | . | . | . | . |
| DEC | .007 <T | .002 <T | . | . | . | . | . | . |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WQS 1988

| | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|
| SITE | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| TOTAL SOLIDS (MG/L ) | | | DET'N LIMIT = 1. | | GUIDELINE = 500 (A3) | | | |
| JAN | 227 CRO | 242 CRO | 233 CRO | 237 CRO | 241 CRO | 238 CRO | . | . |
| SULPHATE ( ) | | | DET'N LIMIT = .200 | | GUIDELINE = 500. (A3) | | | |
| AUG | 28.760 | 33.130 | 32.770 | 32.370 | . | . | 31.140 | 31.940 |
| SEP | 26.710 | 30.460 | . | . | . | . | 29.630 | 29.450 |
| OCT | 27.800 | 31.100 | 30.700 | 30.100 | . | . | 30.400 | 31.100 |
| NOV | 26.130 | 33.370 | 30.610 | 30.350 | . | . | 30.230 | 30.570 |
| DEC | 31.000 | 26.000 | 34.000 | 34.000 | . | . | 31.500 | 34.500 |
| TURBIDITY (FTU ) | | | DET'N LIMIT = .02 | | GUIDELINE = 1.00 (A1) | | | |
| JAN | 4.000 | .120 | .200 | .100 | .180 | .090 <T | . | . |
| FEB | 1.350 | .050 <T | .900 | .360 | .550 | .130 | .200 | .060 |
| MAR | 2.600 | .060 | .160 | .090 | .140 | .080 | .210 | .120 |
| APR | 34.000 | .140 | .510 | .180 | .280 | .120 | .130 | .250 |
| MAY | 1.540 | .090 <T | . | . | . | . | .140 | .210 |
| JUN | 1.390 | .150 | .240 | .330 | . | . | .240 | .210 |
| JUL | 2.400 | .160 | .790 | .440 | . | . | .650 | .440 |
| AUG | 1.860 | .150 | .370 | .290 | . | . | .500 | .260 |
| SEP | 4.800 | .600 | . | . | . | . | .430 | .300 |
| OCT | 2.300 | .290 | .470 | .310 | . | . | .410 | .450 |
| NOV | 4.200 | .220 <T | .190 <T | .200 <T | . | . | .310 | .300 |
| DEC | 1.900 | .220 <T | .360 | .290 | . | . | .240 <T | .310 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | | WATER TREATMENT PLANT | | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|---|
| SITE | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| METALS | | | | | | | | |
| SILVER (UG/L ) | | | DET'N LIMIT = .020 | | GUIDELINE = 50. (A1) | | | |
| JAN | .030 <T | .030 <T | .070 <T | .020 <T | .030 <T | .020 <T | . | . |
| FEB | .110 <T | .040 <T | .020 <T | BDL | BDL | BDL | BDL | BDL |
| MAR | .070 <T | .100 <T | .070 <T | .060 <T | .040 <T | .050 <T | .050 <T | .040 <T |
| APR | BDL | BDL | BDL | BDL | BDL | BDL | .060 <T | BDL |
| MAY | .030 <T | .040 <T | . | . | . | . | BDL . | .030 <T |
| JUN | .030 <T | .050 <T | .050 <T | .040 <T | . | . | .040 <T | .030 <T |
| JUL | .030 <T | BDL | BDL | BDL | . | . | BDL | .100 <T |
| AUG | BDL | BDL | BDL | BDL | . | . | BDL | BDL |
| SEP | BDL | .190 <T | . | . | . | . | .060 <T | .080 <T |
| OCT | BDL | BDL | BDL | BDL | . | . | BDL | BDL |
| NOV | BDL | BDL | BDL | .110 <T | . | . | .070 <T | .100 <T |
| DEC | .030 <T | .040 <T | .030 <T | BDL | . | . | BDL | .050 <T |
| ALUMINUM (UG/L ) | | | DET'N LIMIT = .050 | | GUIDELINE = 100.(A4) | | | |
| JAN | 63.000 | 42.000 | 54.000 | 50.000 | 46.000 | 43.000 | . | . |
| FEB | 31.000 | 53.000 | 53.000 | 55.000 | 52.000 | 52.000 | 53.000 | 52.000 |
| MAR | 67.000 | 48.000 | 53.000 | 54.000 | 44.000 | 44.000 | 41.000 | 46.000 |
| APR | 370.000 | 48.000 | 68.000 | 59.000 | 54.000 | 52.000 | 46.000 | 58.000 |
| MAY | 48.000 | 65.000 | . | . | . | . | 22.000 | 26.000 |
| JUN | 31.000 | 74.000 | 98.000 | 95.000 | . | . | 67.000 | 62.000 |
| JUL | 47.000 | 80.000 | 140.000 | 150.000 | . | . | 94.000 | 110.000 |
| AUG | 56.000 | 66.000 | 100.000 | 110.000 | . | . | 92.000 | 72.000 |
| SEP | 81.000 | 240.000 | . | . | . | . | 77.000 | 79.000 |
| OCT | 32.000 | 79.000 | 110.000 | 130.000 | . | . | 69.000 | 89.000 |
| NOV | 60.000 | 57.000 | 68.000 | 57.000 | . | . | 56.000 | 53.000 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | | WATER TREATMENT PLANT | | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|---|
| | SITE | | | SITE 2 | | SITE 3 | | SITE 4 | |
| | TYPE | RAW | TREATED | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| DEC | | 24.000 | 54.000 | 73.000 | 78.000 | . | . | 51.000 | .7.000 |
| ARSENIC (UG/L ) | | | | DET'N LIMIT = 0.050 | | GUIDELINE = 50.0 (A1) | | | |
| JAN | | IAW | IAW | IAW | IAW | IAW | IAW | . | . |
| FEB | | .880 <T | .320 <T | .320 <T | .350 <T | .370 <T | .370 <T | .270 <T | .270 <T |
| MAR | | .800 <T | .470 <T | .470 <T | .510 <T | .340 <T | .420 <T | .280 <T | .340 <T |
| APR | | .400 <T | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| MAY | | .880 <T | .350 <T | . | . | . | . | .350 <T | .200 <T |
| JUN | | .740 <T | .370 <T | .420 <T | .390 <T | . | . | .310 <T | .280 <T |
| JUL | | 1.600 | 1.000 <T | 1.100 | 1.300 | . | . | 1.100 | 1.200 |
| AUG | | .810 <T | .460 <T | .620 <T | .570 <T | . | . | .430 <T | .520 <T |
| SEP | | .860 <T | 1.100 | . | . | . | . | .800 <T | .840 <T |
| OCT | | .990 <T | 1.000 <T | 1.200 | 1.000 <T | . | . | .710 <T | .900 <T |
| NOV | | 1.600 | .370 <T | 1.200 | .310 <T | . | . | .320 <T | .240 <T |
| DEC | | .490 <T | .150 <T | .320 <T | .400 <T | . | . | .060 <T | .950 <T |
| BARIUM (UG/L ) | | | | DET'N LIMIT = 0.020 | | GUIDELINE = 1000. (A1) | | | |
| JAN | | 27.000 | 25.000 | 24.000 | 25.000 | 25.000 | 24.000 | . | . |
| FEB | | 24.000 | 22.000 | 22.000 | 22.000 | 23.000 | 24.000 | 22.000 | 23.000 |
| MAR | | 24.000 | 23.000 | 22.000 | 22.000 | 23.000 | 21.000 | 17.000 | 22.000 |
| APR | | 24.000 | 21.000 | 21.000 | 21.000 | 23.000 | 21.000 | 21.000 | 22.000 |
| MAY | | 25.000 | 23.000 | . | . | . | . | .230 | .080 <T |
| JUN | | 24.000 | 23.000 | 23.000 | 23.000 | . | . | 23.000 | 24.000 |
| JUL | | 25.000 | 25.000 | 25.000 | 25.000 | . | . | 25.000 | 25.000 |
| AUG | | 23.000 | 23.000 | 24.000 | 24.000 | . | . | 22.000 | 22.000 |
| SEP | | 24.000 | 24.000 | . | . | . | . | 21.000 | 24.000 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | | WATER TREATMENT PLANT | | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|---|
| | SITE TYPE | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| | | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| OCT | | 25.000 | 26.000 | 26.000 | 26.000 | . | . | 23.000 | 27.000 |
| NOV | | 27.000 | 25.000 | 25.000 | 23.000 | . | . | 21.000 | 23.000 |
| DEC | | 24.000 | 23.000 | 24.000 | 24.000 | . | . | 21.000 | 25.000 |
| BORON (UG/L ) | | | | DET'N LIMIT = 0.200 | | GUIDELINE = 5000. (A1) | | | |
| JAN | | 25.000 | IAW | 26.000 | 26.000 | 26.000 | 26.000 | . | . |
| FEB | | 23.000 | 26.000 | 25.000 | 23.000 | 23.000 | 26.000 | 29.000 | 31.000 |
| MAR | | 27.000 | 26.000 | 25.000 | 25.000 | 28.000 | 26.000 | 27.000 | 26.000 |
| APR | | 26.000 | 27.000 | 26.000 | 26.000 | 27.000 | 26.000 | 28.000 | 26.000 |
| MAY | | 30.000 | 30.000 | . | . | . | . | 31.000 | 26.000 |
| JUN | | 27.000 | 27.000 | 26.000 | 29.000 | . | . | 25.000 | 28.000 |
| JUL | | 27.000 | 27.000 | 32.000 | 29.000 | . | . | 27.000 | 30.000 |
| AUG | | 25.000 | 27.000 | 25.000 | 25.000 | . | . | 25.000 | 39.000 |
| SEP | | 26.000 | 28.000 | . | . | . | . | 31.000 | 30.000 |
| OCT | | 31.000 | 52.000 | 54.000 | 56.000 | . | . | 34.000 | 45.000 |
| NOV | | 30.000 | 30.000 | 30.000 | 27.000 | . | . | 27.000 | 33.000 |
| DEC | | 26.000 | 27.000 | 30.000 | 43.000 | . | . | 30.000 | 31.000 |
| BERYLLIUM (UG/L ) | | | | DET'N LIMIT = 0.010 | | GUIDELINE = .20 (H) | | | |
| JAN | | BDL | BDL | BDL | BDL | BDL | BDL | . | . |
| FEB | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| MAR | | .020 <T | .020 <T | .030 <T | .020 <T | BDL | .010 <T | .010 <T | BDL |
| APR | | .050 <T | .030 <T | BDL | BDL | .020 <T | BDL | .030 <T | .030 <T |
| MAY | | BDL | BDL | . | . | . | . | BDL | BDL |
| JUN | | BDL | BDL | BDL | BDL | . | . | .030 <T | BDL |
| JUL | | .060 <T | .050 <T | .020 <T | .040 <T | . | . | .060 <T | .070 <T |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|
| SITE | | | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | RAW | TREATED | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| AUG | BDL | BDL | BDL | BDL | . | . | BDL | BDL |
| SEP | BDL | .090 <T | . | . | . | . | .050 <T | .020 <T |
| OCT | .040 <T | .050 <T | .140 <T | .100 <T | . | . | .030 <T | .030 <T |
| NOV | .030 <T | .050 <T | .100 <T | .080 <T | . | . | .060 <T | .020 <T |
| DEC | .080 <T | BDL | BDL | BDL | . | . | BDL | BDL |
| CADMIUM (UG/L ) | | | DET'N LIMIT = 0.050 | | GUIDELINE = 5.000 (A1) | | | |
| JAN | BDL | BDL | .070 <T | .130 <T | BDL | BDL | . | . |
| FEB | BDL | BDL | BDL | BDL | .200 <T | BDL | BDL | BDL |
| MAR | .060 <T | .050 <T | BDL | BDL | .070 <T | BDL | .070 <T | .080 <T |
| APR | .060 <T | .080 <T | .110 <T | BDL | .080 <T | BDL | .190 <T | .180 <T |
| MAY | .070 <T | BDL | . | . | . | . | .100 <T | BDL |
| JUN | BDL | BDL | BDL | BDL | . | . | BDL | BDL |
| JUL | BDL | .070 <T | .100 <T | BDL | . | . | .130 <T | .210 <T |
| AUG | BDL | BDL | BDL | BDL | . | . | BDL | .160 <T |
| SEP | BDL | .130 <T | . | . | . | . | .070 <T | .060 <T |
| OCT | .060 <T | BDL | BDL | BDL | . | . | .090 <T | .060 <T |
| NOV | BDL | BDL | BDL | BDL | . | . | .090 <T | BDL |
| DEC | .110 <T | BDL | BDL | BDL | . | . | .060 <T | BDL |
| COBALT (UG/L ) | | | DET'N LIMIT = 0.020 | | GUIDELINE = 1000 (H) | | | |
| JAN | .110 <T | .060 <T | .070 <T | .060 <T | .060 <T | .030 <T | . | . |
| FEB | .080 <T | .030 <T | .070 <T | .060 <T | .100 <T | .040 <T | .430 <T | .050 <T |
| MAR | .180 <T | .120 <T | .130 <T | .090 <T | .130 <T | .140 <T | .200 <T | .080 <T |
| APR | .520 <T | .170 <T | .090 <T | .070 <T | .110 <T | .110 <T | .080 <T | .110 <T |
| MAY | .120 <T | .090 <T | . | . | . | . | .110 <T | .080 <T |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|
| SITE | | | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | RAW | TREATED | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| JUN | .090 <T | .110 <T | .100 <T | .080 <T | . | . | .080 <T | .110 <T |
| JUL | .150 <T | .110 <T | .090 <T | .080 <T | . | . | .120 <T | .140 <T |
| AUG | .240 <T | .110 <T | .160 <T | .180 <T | . | . | .120 <T | .180 <T |
| SEP | .250 <T | .190 <T | . | . | . | . | .120 <T | .140 <T |
| OCT | .250 <T | .240 <T | .210 <T | .220 <T | . | . | .210 <T | .200 <T |
| NOV | BDL | BDL | BDL | BDL | . | . | BDL | BDL |
| DEC | .140 <T | .100 <T | .140 <T | .120 <T | . | . | .090 <T | .270 <T |
| CHROMIUM (UG/L ) | | | DET'N LIMIT = 0.100 | | GUIDELINE = 50. (A1) | | | |
| JAN | .620 <T | .680 <T | .620 <T | .680 <T | .660 <T | .640 <T | . | . |
| FEB | .580 <T | .620 <T | .770 <T | .640 <T | 9.200 | .690 <T | .740 <T | .700 <T |
| MAR | .700 <T | .590 <T | .660 <T | .620 <T | .700 <T | .640 <T | .670 <T | .730 <T |
| APR | 1.200 | .680 <T | .680 <T | .730 <T | .690 <T | .650 <T | .800 <T | .780 <T |
| MAY | 1.200 | .960 <T | . | . | . | . | 1.400 | .650 <T |
| JUN | .930 <T | .780 <T | .750 <T | .700 <T | . | . | .770 <T | .890 <T |
| JUL | .820 <T | .810 <T | 1.300 | .800 <T | . | . | .830 <T | .850 <T |
| AUG | .540 <T | .480 <T | .520 <T | .560 <T | . | . | .540 <T | 2.400 |
| SEP | .610 <T | .680 <T | . | . | . | . | .910 <T | .670 <T |
| OCT | .850 <T | 5.600 | 6.300 | 6.600 | . | . | 4.500 | 3.800 |
| NOV | 5.600 | 4.300 | 7.200 | .730 <T | . | . | .680 <T | 4.000 |
| DEC | .760 <T | .720 <T | 1.200 | 4.800 | . | . | 1.300 | .590 <T |
| COPPER (UG/L ) | | | DET'N LIMIT = .100 | | GUIDELINE = 1000 (A3) | | | |
| JAN | 28.000 | 2.000 | 12.000 | 5.800 | 25.000 | 13.000 | . | . |
| FEB | 42.000 | 2.100 | 15.000 | 4.100 | 52.000 | 7.000 | 22.000 | 13.000 |
| MAR | 70.000 | 2.400 | 24.000 | 3.400 | 48.000 | 6.400 | 100.000 | 13.000 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | WATER TREATMENT PLANT | | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|
| SITE | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| APR | 27.000 | 1.800 | 24.000 | 2.900 | 38.000 | 4.600 | 88.000 | 22.000 |
| MAY | 43.000 | 3.100 | . | . | . | . | 110.000 | 20.000 |
| JUN | 62.000 | 1.600 | 14.000 | 2.900 | . | . | 37.000 | 12.000 |
| JUL | 37.000 | 2.100 | 32.000 | 6.200 | . | . | 92.000 | 22.000 |
| AUG | 36.000 | 1.200 | 15.000 | 3.700 | . | . | 14.000 | 120.000 |
| SEP | 46.000 | 2.600 | . | . | . | . | 56.000 | 12.000 |
| OCT | 58.000 | 1.200 | 29.000 | 4.100 | . | . | 94.000 | 14.000 |
| NOV | 54.000 | 1.700 | 17.000 | 2.600 | . | . | 71.000 | 11.000 |
| DEC | 47.000 | 4.100 | 15.000 | 3.100 | . | . | 90.000 | 41.000 |
| IRON (UG/L ) | | | DET'N LIMIT = 4.000 | | GUIDELINE = 300. (A3) | | | |
| JAN | 130.000 | 8.400 <T | 19.000 <T | 16.000 <T | 13.000 <T | 13.000 <T | . | . |
| FEB | 55.000 | 26.000 <T | 26.000 <T | 28.000 <T | 35.000 <T | 33.000 <T | 30.000 <T | 29.000 <T |
| MAR | 89.000 | 4.100 <T | 7.100 <T | 5.700 <T | 12.000 <T | 11.000 <T | 4.700 <T | 5.500 <T |
| APR | 890.000 | 7.700 <T | 16.000 <T | 12.000 <T | 15.000 <T | 15.000 <T | 5.100 <T | 10.000 <T |
| MAY | 74.000 | 7.400 <T | . | . | . | . | 12.000 <T | 8.200 <T |
| JUN | 53.000 | 20.000 <T | 27.000 <T | 25.000 <T | . | . | 23.000 <T | 25.000 <T |
| JUL | 110.000 | 13.000 <T | 21.000 <T | 17.000 <T | . | . | 13.000 <T | 8.400 <T |
| AUG | 97.000 | BDL | BDL | BDL | . | . | BDL | BDL |
| SEP | 180.000 | 42.000 <T | . | . | . | . | 5.900 <T | BDL |
| OCT | 69.000 | BDL | BDL | 5.500 <T | . | . | BDL | BDL |
| NOV | 90.000 | 10.000 <T | BDL | BDL | . | . | 7.200 <T | BDL |
| DEC | 42.000 <T | 15.000 <T | 12.000 <T | 16.000 <T | . | . | 11.000 <T | BDL |
| MERCURY (UG/L ) | | | DET'N LIMIT = 0.010 | | GUIDELINE = 1.000 (A1) | | | |
| JAN | .020 | .010 | . | .020 | . | .020 | . | . |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|
| SITE | | | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | RAW | TREATED | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| FEB | .010 | BDL | . | .010 | . | .010 | . | BDL |
| MAR | .020 | BDL | . | .010 | . | .010 | . | .010 |
| APR | .010 | BDL | . | BDL | . | BDL | . | BDL |
| MAY | BDL | BDL | . | . | . | . | . | .020 |
| JUN | BDL | .020 <T | . | .020 <T | . | . | . | BDL |
| JUL | .040 <T | BDL | . | .020 <T | . | . | . | .020 <T |
| AUG | .020 <T | .020 <T | . | .040 <T | . | . | . | .060 |
| SEP | .040 <T | .040 <T | . | . | . | . | . | .060 |
| OCT | .050 <T | .060 | . | .090 | . | . | . | .120 |
| NOV | .040 <T | .060 | . | .090 | . | . | . | .050 <T |
| DEC | .040 <T | .030 <T | . | .060 | . | . | . | .090 |
| MANGANESE (UG/L ) | | | DET'N LIMIT = .050 | | GUIDELINE = 50.0 (A3) | | | |
| JAN | 6.600 | .730 | 1.100 | .940 | .690 | .740 | . | . |
| FEB | 3.000 | .670 | .740 | .610 | 1.300 | .990 | .900 | .850 |
| MAR | 6.300 | .980 | .710 | .750 | 1.400 | .980 | .690 | .770 |
| APR | 27.000 | 1.000 | 1.300 | 1.100 | 2.000 | 1.200 | .940 | 1.200 |
| MAY | 7.100 | 1.300 | . | . | . | . | .590 | .320 <T |
| JUN | 3.900 | 1.000 | 1.500 | 1.100 | . | . | 1.000 | 1.100 |
| JUL | 9.200 | 2.300 | 2.700 | 1.800 | . | . | 1.900 | 1.800 |
| AUG | 6.900 | .510 | .760 | .580 | . | . | .820 | 2.500 |
| SEP | 9.100 | 2.400 | . | . | . | . | .660 | .560 |
| OCT | 5.700 | .690 | .750 | .590 | . | . | 1.000 | .770 |
| NOV | 5.900 | 1.200 | 1.200 | .650 | . | . | .720 | .600 |
| DEC | 3.900 | .700 | .800 | .670 | . | . | .600 | .640 |
| MOLYBDENUM (UG/L ) | | | DET'N LIMIT = 0.020 | | GUIDELINE = 500 (H) | | | |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|
| SITE | | | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | RAW | TREATED | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| JAN | 1.100 | 1.300 | 1.300 | 1.200 | 1.200 | 1.200 | . | . |
| FEB | 1.200 | 1.200 | 1.200 | 1.200 | 1.300 | 1.300 | 1.300 | 1.300 |
| MAR | 1.100 | 1.300 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 |
| APR | .640 | 1.200 | 1.200 | 1.200 | 1.300 | 1.200 | 1.300 | 1.200 |
| MAY | 1.400 | 1.300 | . | . | . | . | 1.400 | 1.300 |
| JUN | 1.300 | 1.300 | 1.300 | 1.200 | . | . | 1.300 | 1.400 |
| JUL | 1.300 | 1.400 | 1.400 | 1.300 | . | . | 1.300 | 1.500 |
| AUG | 1.000 | 1.200 | 1.300 | 1.300 | . | . | 1.200 | 1.100 |
| SEP | 1.000 | 1.300 | . | . | . | . | 1.200 | 1.300 |
| OCT | 1.300 | 1.400 | 1.400 | 1.300 | . | . | 1.300 | 1.400 |
| NOV | 1.200 | 1.300 | 1.500 | 1.300 | . | . | 1.200 | 1.200 |
| DEC | 1.500 | 1.400 | 1.300 | 1.200 | . | . | 1.100 | 1.400 |
| NICKEL (UG/L ) | | | DET'N LIMIT = 0.100 | | GUIDELINE = 50. (F3) | | | |
| JAN | .940 <T | .970 <T | 2.700 | 1.500 | 1.200 <T | .950 <T | . | . |
| FEB | 1.100 <T | .300 <T | .890 <T | .750 <T | 1.300 <T | .700 <T | 220.000 | 11.000 |
| MAR | 1.300 <T | 1.000 <T | .730 <T | .960 <T | 2.000 | .920 <T | 94.000 | 4.400 |
| APR | 2.300 | 1.600 | 1.500 | 1.400 | 3.400 | 2.100 | 1.800 | 4.800 |
| MAY | 3.700 | 3.300 | . | . | . | . | 12.000 | 3.300 |
| JUN | .820 <T | .850 <T | 1.200 <T | .770 <T | . | . | 2.700 | 1.400 <T |
| JUL | 2.500 | 2.400 | 2.500 | 1.600 <T | . | . | 3.500 | 4.200 |
| AUG | 1.500 <T | .880 <T | 1.500 <T | 1.200 <T | . | . | .840 <T | 2.900 |
| SEP | BDL | .960 <T | . | . | . | . | .690 <T | .770 <T |
| OCT | 1.800 <T | 1.800 <T | 2.700 | 2.100 | . | . | 3.300 | 2.400 |
| NOV | BDL | BDL | BDL | BDL | . | . | .540 <T | BDL |
| DEC | 1.600 <T | 1.500 <T | 2.000 <T | 1.500 <T | . | . | 3.000 | 2.000 <T |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|
| SITE | | | | | | | | |
| TYPE | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| **LEAD (UG/L )** | | | DET'N LIMIT = 0.050 | | GUIDELINE = 50. (A1) | | | |
| JAN | .620 | .110 <T | 1.900 | .600 | 1.600 | .510 | . | . |
| FEB | .470 | .130 <T | 1.700 | .200 | 3.100 | .380 | .690 | .390 |
| MAR | .490 | .070 <T | 2.000 | .190 <T | 2.300 | .290 | 3.500 | .610 |
| APR | .930 | .090 <T | 2.000 | .170 <T | 1.800 | .260 | 2.700 | .870 |
| MAY | .520 | .160 <T | . | . | . | . | 4.000 | .580 |
| JUN | .310 | .180 <T | 2.400 | .310 | . | . | 1.500 | .410 |
| JUL | .360 | .110 <T | 2.800 | .630 | . | . | 5.100 | 1.800 |
| AUG | .300 | .080 <T | 2.200 | .380 | . | . | .640 | 7.700 |
| SEP | .700 | 1.100 | . | . | . | . | 2.800 | .610 |
| OCT | .560 | .090 <T | 2.800 | .440 | . | . | 5.700 | .680 |
| NOV | .500 | .160 <T | 2.000 | .240 | . | . | 2.900 | .430 |
| DEC | .670 | .160 <T | 1.400 | .290 | . | . | 4.300 | 1.600 |
| **ANTIMONY ( )** | | | DET'N LIMIT = .050 | | GUIDELINE = 146. (D4) | | | |
| JAN | . | .270 | .260 | .250 | .290 | .210 | . | . |
| FEB | .190 <T | .190 <T | .200 | .210 | .240 | .220 | .210 | .220 |
| MAR | .260 | .250 | .220 | .200 | .240 | .170 <T | .190 <T | .240 |
| APR | .200 | .230 | .220 | .210 | .250 | .210 | .270 | .200 |
| MAY | .350 | .280 | . | . | . | . | .380 | .300 |
| JUN | .270 | .280 | .270 | .250 | . | . | .260 | .260 |
| JUL | .320 | .330 | .300 | .260 | . | . | .300 | .330 |
| AUG | .610 | .570 | .720 | .700 | . | . | .610 | .780 |
| SEP | .480 | .610 | . | . | . | . | .600 | .600 |
| OCT | .590 | .770 | .660 | .740 | . | . | .660 | .720 |
| NOV | .580 | .660 | .720 | .660 | . | . | .600 | .640 |
| DEC | .560 | .470 | .510 | .530 | . | . | .480 | .700 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|
| SITE | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| **SELENIUM (UG/L )** | | | DET'N LIMIT = 0.200 | | GUIDELINE = 10. (A1) | | | |
| JAN | IAW | IAW | IAW | IAW | IAW | IAW | . | . |
| FEB | 1.100 <T | 1.200 <T | 1.300 <T | 1.000 <T | 1.600 <T | 1.300 <T | 1.500 <T | 1.500 <T |
| MAR | .770 <T | 1.200 <T | .980 <T | 1.000 <T | .660 <T | 1.100 <T | .620 <T | .580 <T |
| APR | BDL | .440 <T | .660 <T | .880 <T | 1.000 <T | 1.200 <T | .980 | 1.300 <T |
| MAY | BDL | .630 <T | . | . | . | . | .940 | .750 <T |
| JUN | .470 <T | 1.100 <T | .970 <T | 1.200 <T | . | . | .950 | 1.300 <T |
| JUL | 2.000 <T | 1.800 <T | 4.500 <T | 1.800 <T | . | . | 2.700 <T | 1.700 <T |
| AUG | .520 <T | .930 <T | 1.600 <T | 1.600 <T | . | . | 1.300 <T | 2.500 <T |
| SEP | BDL | 2.600 <T | . | . | . | . | 1.700 <T | 2.200 <T |
| OCT | .400 <T | 3.200 <T | 2.800 <T | 3.400 <T | . | . | 3.800 <T | 3.900 <T |
| NOV | 2.800 <T | 4.200 <T | 5.600 <T | .780 <T | . | . | BDL | BDL |
| DEC | .270 <T | 1.400 <T | 1.900 <T | 1.400 <T | . | . | 2.100 <T | 3.800 <T |
| **STRONTIUM (UG/L )** | | | DET'N LIMIT = .050 | | GUIDELINE = 2000.(H) | | | |
| JAN | 210.000 | 200.000 | 200.000 | 200.000 | 200.000 | 200.000 | . | . |
| FEB | 200.000 | 190.000 | 190.000 | 190.000 | 200.000 | 220.000 | 200.000 | 200.000 |
| MAR | 200.000 | 190.000 | 190.000 | 190.000 | 190.000 | 190.000 | 150.000 | 190.000 |
| APR | 190.000 | 190.000 | 180.000 | 180.000 | 190.000 | 180.000 | 180.000 | 180.000 |
| MAY | 190.000 | 180.000 | . | . | . | . | .860 <T | .410 <T |
| JUN | 200.000 | 190.000 | 200.000 | 200.000 | . | . | 210.000 | 200.000 |
| JUL | 190.000 | 190.000 | 190.000 | 180.000 | . | . | 180.000 | 180.000 |
| AUG | 190.000 | 180.000 | 180.000 | 190.000 | . | . | 180.000 | 170.000 |
| SEP | 180.000 | 170.000 | . | . | . | . | 160.000 | 170.000 |
| OCT | 190.000 | 190.000 | 200.000 | 190.000 | . | . | 190.000 | 190.000 |
| NOV | 200.000 | 190.000 | 200.000 | 170.000 | . | . | 170.000 | 170.000 |
| DEC | 170.000 | 180.000 | 180.000 | 190.000 | . | . | 180.000 | 190.000 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | WATER TREATMENT PLANT | | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|
| SITE | | | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | RAW | TREATED | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| TITANIUM (UG/L ) | | | DET'N LIMIT = .050 | | GUIDELINE = N/A | | | |
| JAN | 4.000 | 2.700 | 2.800 | 2.900 | 3.000 | 3.000 | . | . |
| FEB | 4.800 | 4.000 | 4.000 | 4.100 | 4.400 | 4.600 | 4.800 | 5.100 |
| MAR | 9.900 | 7.600 | 7.500 | 7.500 | 7.700 | 7.700 | 6.600 | 7.500 |
| APR | 8.800 | 4.900 | 5.100 | 5.100 | 5.200 | 5.200 | 5.400 | 5.700 |
| MAY | 4.500 | 1.700 <T | . | . | . | . | .620 <T | .240 <T |
| JUN | 3.800 | 3.000 | 3.000 | 2.900 | . | . | 3.100 | 2.800 |
| JUL | 4.200 | 3.300 | 3.600 | 3.600 | . | . | 3.200 | 3.400 |
| AUG | 9.300 | 7.900 | 7.000 | 8.100 | . | . | 8.000 | 7.600 |
| SEP | 6.300 | 6.100 | . | . | . | . | 5.900 | 5.500 |
| OCT | 6.500 | 4.300 | 4.000 | 5.100 | . | . | 4.000 | 4.500 |
| NOV | 4.800 | 3.400 | 3.200 | 2.400 | . | . | 2.600 | 2.600 |
| DEC | 4.700 | 4.600 | 4.900 | 4.900 | . | . | 4.200 | 5.000 |
| THALLIUM (UG/L ) | | | DET'N LIMIT = .010 | | GUIDELINE = 13. (04) | | | |
| JAN | .020 <T | .010 <T | .010 <T | .020 <T | .010 <T | BDL | . | . |
| FEB | .010 <T | .020 <T | BDL | BDL | BDL | .010 <T | BDL | BDL |
| MAR | .020 <T | .030 <T | .020 <T | BDL | BDL | BDL | .010 <T | .010 <T |
| APR | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| MAY | BDL | BDL | . | . | . | . | BDL | BDL |
| JUN | BDL | BDL | .020 <T | BDL | . | . | BDL | BDL |
| JUL | .030 <T | .020 <T | .020 <T | BDL | . | . | BDL | .030 <T |
| AUG | BDL | BDL | BDL | BDL | . | . | BDL | BDL |
| SEP | BDL | .020 <T | . | . | . | . | .020 <T | BDL |
| OCT | BDL | BDL | BDL | .020 <T | . | . | BDL | BDL |
| NOV | BDL | BDL | BDL | BDL | . | . | .020 <T | BDL |
| DEC | .360 | .060 <T | .040 <T | BDL | . | . | .020 <T | BDL |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|
| SITE | | | | | | | | |
| | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| URANIUM (UG/L ) | | | DET'N LIMIT = .020 | | GUIDELINE = 20. (A2) | | | |
| JAN | .400 | .300 | .390 | .410 | .360 | .380 | . | . |
| FEB | .390 | .310 | .290 | .290 | .300 | .310 | .280 | .290 |
| MAR | .410 | .380 | .330 | .390 | .320 | .350 | .420 | .340 |
| APR | .400 | .260 | .300 | .260 | .350 | .290 | .500 | .290 |
| MAY | .360 | .290 | . | . | . | . | .180 <T | .180 <T |
| JUN | .370 | .360 | .380 | .350 | . | . | .410 | .360 |
| JUL | .320 | .320 | .330 | .410 | . | . | .480 | .420 |
| AUG | .300 | .300 | .330 | .290 | . | . | .340 | .750 |
| SEP | .350 | .380 | . | . | . | . | .460 | .360 |
| OCT | .360 | .410 | .380 | .360 | . | . | .450 | .380 |
| NOV | .370 | .230 | .300 | .320 | . | . | .410 | .380 |
| DEC | .390 | .340 | .390 | .360 | . | . | .420 | .430 |
| VANADIUM (UG/L ) | | | DET'N LIMIT = .050 | | GUIDELINE = 100 (N) | | | |
| JAN | .440 | .690 | .590 | .580 | .680 | .600 | . | . |
| FEB | .270 <T | .390 <T | .370 <T | .330 <T | .370 <T | .310 <T | .340 <T | .320 <T |
| MAR | .470 | .460 | .380 <T | .400 | .440 | .400 | .430 | .400 |
| APR | 1.200 | .530 | .480 | .480 | .500 | .430 | .500 | .480 |
| MAY | .350 <T | .520 | . | . | . | . | .550 | .440 <T |
| JUN | .310 <T | .430 <T | .460 <T | .420 <T | . | . | .430 <T | .440 <T |
| JUL | .390 <T | .560 | .540 | .530 | . | . | .490 <T | .540 |
| AUG | .380 <T | .560 | .540 | .540 | . | . | .510 | .500 <T |
| SEP | .430 <T | .570 | . | . | . | . | .440 <T | .430 <T |
| OCT | .430 <T | .720 | .650 | .630 | . | . | .600 | .590 |
| NOV | .340 <T | .770 | .710 | .500 <T | . | . | .400 <T | .480 <T |
| DEC | .490 <T | .620 | .600 | .560 | . | . | .550 | .480 <T |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WES 1988

| | SITE TYPE | WATER TREATMENT PLANT | | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| | | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| ZINC (UG/L ) | | | | DET'N LIMIT = .001 | | GUIDELINE = 5000. (A3) | | | |
| JAN | | 2.600 | 1.500 | 23.000 | 4.100 | 6.300 | 2.600 | . | . |
| FEB | | 1.900 | 1.200 | 38.000 | 1.700 | 54.000 | 2.200 | 5.700 | 2.000 |
| MAR | | 3.400 | 2.200 | 31.000 | 2.200 | 68.000 | 3.400 | 19.000 | 4.200 |
| APR | | 5.400 | 2.100 | 30.000 | 2.600 | 33.000 | 2.400 | 11.000 | 10.000 |
| MAY | | 3.900 | 2.800 | . | . | . | . | 33.000 | 2.600 |
| JUN | | 2.500 | 1.500 | 34.000 | 2.100 | . | . | 4.200 | 1.600 |
| JUL | | 4.300 | 3.900 | 29.000 | 3.500 | . | . | 22.000 | 17.000 |
| AUG | | 2.100 | 1.400 | 25.000 | 4.800 | . | . | 2.200 | 38.000 |
| SEP | | 4.000 | 3.700 | . | . | . | . | 5.700 | 2.100 |
| OCT | | 2.900 | 1.600 | 30.000 | 3.000 | . | . | 21.000 | 1.900 |
| NOV | | 3.300 | 1.900 | 30.000 | 1.800 | . | . | 6.300 | 1.700 |
| DEC | | 3.000 | 1.500 | 13.000 | 1.900 | . | . | 14.000 | 3.400 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| SITE | | | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|
| | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| PAH | | | | | | | | |
| FLUORANTHENE (NG/L ) | | | DET'N LIMIT = 20.000 | | GUIDELINE = 42000 (04) | | | |
| JAN | BDL | BDL | . | . | . | . | . | . |
| FEB | BDL | BDL | . | . | . | . | . | . |
| MAR | BDL | BDL | . | . | . | . | . | . |
| APR | 20.000 <T | BDL | . | . | . | . | . | . |
| MAY | BDL | BDL | . | . | . | . | . | . |
| JUN | BDL | BDL | . | . | . | . | . | . |
| JUL | BDL | BDL | . | . | . | . | . | . |
| AUG | BDL | BDL | . | . | . | . | . | . |
| SEP | BDL | BDL | . | . | . | . | . | . |
| OCT | BDL | BDL | . | . | . | . | . | . |
| NOV | BDL | BDL | . | . | . | . | . | . |
| DEC | BDL | BDL | . | . | . | . | . | . |
| BENZO(K) FLUORANTHEN (NG/L ) | | | DET'N LIMIT = N/A | | GUIDELINE = 2.8 (04T) | | | |
| JAN | 1.000 | BDL | . | . | . | . | . | . |
| FEB | BDL | BDL | . | . | . | . | . | . |
| MAR | BDL | BDL | . | . | . | . | . | . |
| APR | 2.000 <T | BDL | . | . | . | . | . | . |
| MAY | BDL | BDL | . | . | . | . | . | . |
| JUN | BDL | BDL | . | . | . | . | . | . |
| JUL | BDL | BDL | . | . | . | . | . | . |
| AUG | BDL | BDL | . | . | . | . | . | . |
| SEP | BDL | BDL | . | . | . | . | . | . |
| OCT | BDL | BDL | . | . | . | . | . | . |
| NOV | BDL | BDL | . | . | . | . | . | . |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | SITE TYPE | | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|
| | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| DEC | BDL | BDL | . | . | . | . | . | . |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | | WATER TREATMENT PLANT | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|
| | SITE | | | SITE 2 | | SITE 3 | | SITE 4 | |
| | TYPE | RAW | TREATED | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| PESTICIDES & PCB | | | | | | | | | |
| ALPHA BHC (NG/L ) | | | DET'N LIMIT = 1.000 | | GUIDELINE = 700 (G) | | | | |
| JAN | | 2.000 <T | 2.000 <T | . | BDL | . | 2.000 <T | . | . |
| FEB | | 2.000 <T | 2.000 <T | . | 2.000 <T | . | 2.000 <T | . | 3.000 <T |
| MAR | | BDL | BDL | . | BDL | . | BDL | . | BDL |
| APR | | BDL | BDL | . | 4.000 <T | . | BDL | . | 2.000 <T |
| MAY | | INF | INF | . | . | . | . | . | 2.000 <T |
| JUN | | BDL | BDL | . | BDL | . | . | . | BDL |
| JUL | | 3.000 <T | 3.000 <T | . | BDL | . | . | . | 4.000 <T |
| AUG | | 2.000 <T | 2.000 <T | . | 2.000 <T | . | . | . | 2.000 <T |
| SEP | | 2.000 <T | 3.000 <T | . | . | . | . | . | 2.000 <T |
| OCT | | 1.000 <T | 2.000 <T | . | 2.000 <T | . | . | . | 2.000 <T |
| NOV | | 1.000 <T | 3.000 <T | . | 3.000 <T | . | . | . | 3.000 <T |
| DEC | | 2.000 <T | 3.000 <T | . | ILA | . | . | . | 3.000 <T |
| LINDANE (NG/L ) | | | DET'N LIMIT = 1.000 | | GUIDELINE = 4000 (A1) | | | | |
| JAN | | BDL | BDL | . | BDL | . | BDL | . | . |
| FEB | | BDL | 1.000 <T | . | BDL | . | BDL | . | 1.000 <T |
| MAR | | BDL | BDL | . | BDL | . | BDL | . | BDL |
| APR | | BDL | BDL | . | BDL | . | BDL | . | BDL |
| MAY | | INF | INF | . | . | . | . | . | 1.000 <T |
| JUN | | BDL | BDL | . | BDL | . | . | . | BDL |
| JUL | | 2.000 <T | 2.000 <T | . | BDL | . | . | . | 3.000 <T |
| AUG | | BDL | 1.000 <T | . | 1.000 <T | . | . | . | BDL |
| SEP | | BDL | 2.000 <T | . | . | . | . | . | BDL |
| OCT | | BDL | BDL | . | BDL | . | . | . | 1.000 <T |
| NOV | | BDL | 2.000 <T | . | 1.000 <T | . | . | . | 2.000 <T |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | SITE TYPE | WATER TREATMENT PLANT | | | | | | DISTRIBUTION SYSTEM | |
|---|---|---|---|---|---|---|---|---|---|
| | | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| | | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| DEC | | 1.000 <T | 1.000 <T | . | ILA | . | . | . | 1.000 <T |
| ATRAZINE (NG/L ) | | | | DET'N LIMIT = 50.00 | | GUIDELINE = 60000 (83) | | | |
| JAN | | BDL | BDL | . | BDL | . | BDL | . | . |
| FEB | | BDL | BDL | . | BDL | . | BDL | . | BDL |
| MAR | | BDL | BDL | . | BDL | . | BDL | . | BDL |
| APR | | BDL | BDL | . | BDL | . | BDL | . | 120.000 <T |
| MAY | | BDL | BDL | . | . | . | . | . | BDL |
| JUN | | BDL | BDL | . | BDL | . | . | . | BDL |
| JUL | | BDL | BDL | . | BDL | . | . | . | BDL |
| AUG | | BDL | BDL | . | BDL | . | . | . | INR |
| SEP | | BDL | BDL | . | . | . | . | . | BDL |
| OCT | | BDL | BDL | . | BDL | . | . | . | BDL |
| NOV | | BDL | BDL | . | BDL | . | . | . | BDL |
| DEC | | BDL | BDL | . | BDL | . | . | . | BDL |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | SITE | | | SITE 2 | | SITE 3 | | SITE 4 | |
| | TYPE | RAW | TREATED | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| PHENOLICS (UG/L | PHENOLICS ) | | DET'N LIMIT = 0.2 | | GUIDELINE = 2.00 (A3) | | | | |
| JAN | | BDL | BDL | . | . | . | . | . | . |
| FEB | | BDL | .600 <T | . | . | . | . | . | . |
| MAR | | BDL | BDL | . | . | . | . | . | . |
| APR | | BDL | BDL | . | . | . | . | . | . |
| MAY | | 2.600 UCR | 1.800 UCR | . | . | . | . | . | . |
| JUN | | .800 <T | .600 <T | . | . | . | . | . | . |
| JUL | | .400 <T | .400 <T | . | . | . | . | . | . |
| AUG | | .200 <T | BDL | . | . | . | . | . | . |
| SEP | | BDL | BDL | . | . | . | . | . | . |
| OCT | | .800 <T | 1.200 | . | . | . | . | . | . |
| NOV | | 2.000 | .800 <T | . | . | . | . | . | . |
| DEC | | 1.000 | 1.000 | . | . | . | . | . | . |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | | WATER TREATMENT PLANT | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|
| | SITE | | | SITE 2 | | SITE 3 | | SITE 4 | |
| | TYPE | RAW | TREATED | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| | VOLATILES | | | | | | | | |
| BENZENE (UG/L ) | | | DET'N LIMIT = .050 | | GUIDELINE = 5.0 (81) | | | | |
| APR | | BDL | BDL | . | BDL | . | BDL | . | BDL |
| MAY | | BDL | .050 <T | . | . | . | . | . | BDL |
| JUN | | BDL | BDL | . | .050 <T | . | . | . | .050 <T |
| JUL | | BDL | BDL | . | .050 <T | . | . | . | .100 <T |
| AUG | | BDL | BDL | . | .100 <T | . | . | . | BDL |
| SEP | | BDL | BDL | . | . | . | . | . | BDL |
| OCT | | BDL | BDL | . | BDL | . | . | . | BDL |
| NOV | | BDL | BDL | . | BDL | . | . | . | BDL |
| DEC | | BDL | BDL | . | BDL | . | . | . | BDL |
| TOLUENE (UG/L ) | | | DET'N LIMIT = .050 | | GUIDELINE = 24.0 (84) | | | | |
| APR | | BDL | BDL | . | .100 <T | . | .050 <T | . | BDL |
| MAY | | BDL | .150 <T | . | . | . | . | . | .150 <T |
| JUN | | BDL | BDL | . | .100 <T | . | . | . | .100 <T |
| JUL | | BDL | .050 <T | . | .200 <T | . | . | . | .300 <T |
| AUG | | .050 <T | BDL | . | .800 | . | . | . | BDL |
| SEP | | BDL | BDL | . | . | . | . | . | BDL |
| OCT | | BDL | BDL | . | .050 <T | . | . | . | .050 <T |
| NOV | | BDL | BDL | . | .050 <T | . | . | . | .550 |
| DEC | | BDL | BDL | . | .050 <T | . | . | . | BDL |
| ETHYLBENZENE (UG/L ) | | | DET'N LIMIT = .050 | | GUIDELINE = 2.4 (84) | | | | |
| APR | | BDL | .050 <T | . | BDL | . | BDL | . | .050 <T |
| MAY | | BDL | BDL | . | . | . | . | . | .050 <T |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|
| SITE | | | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | RAW | TREATED | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| JUN | .050 <T | .050 <T | . | .100 <T | . | . | . | .050 <T |
| JUL | .050 <T | .100 <T | . | .150 <T | . | . | . | .100 <T |
| AUG | BDL | .100 <T | . | .150 <T | . | . | . | BDL |
| SEP | BDL | BDL | . | . | . | . | . | BDL |
| OCT | BDL | BDL | . | .050 <T | . | . | . | .050 <T |
| NOV | BDL | BDL | . | BDL | . | . | . | BDL |
| DEC | BDL | BDL | . | .050 <T | . | . | . | .050 <T |
| M-XYLENE (UG/L ) | | DET'N LIMIT = .100 | | GUIDELINE = 300 (B4) | | | | |
| APR | BDL | BDL | . | BDL | . | BDL | . | BDL |
| MAY | BDL | BDL | . | . | . | . | . | BDL |
| JUN | BDL | BDL | . | BDL | . | . | . | .100 <T |
| JUL | BDL | .100 <T | . | .100 <T | . | . | . | .200 <T |
| AUG | BDL | BDL | . | .300 <T | . | . | . | BDL |
| SEP | BDL | BDL | . | . | . | . | . | BDL |
| OCT | BDL | BDL | . | BDL | . | . | . | BDL |
| NOV | BDL | BDL | . | BDL | . | . | . | .100 <T |
| DEC | BDL | BDL | . | BDL | . | . | . | BDL |
| O-XYLENE (UG/L ) | | DET'N LIMIT = .050 | | GUIDELINE = 300 (B4) | | | | |
| APR | BDL | BDL | . | BDL | . | BDL | . | BDL |
| MAY | BDL | .050 <T | . | . | . | . | . | BDL |
| JUN | BDL | BDL | . | BDL | . | . | . | .050 <T |
| JUL | BDL | BDL | . | .050 <T | . | . | . | .100 <T |
| AUG | BDL | BDL | . | .150 <T | . | . | . | .050 <T |
| SEP | BDL | BDL | . | . | . | . | . | BDL |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| SITE TYPE | RAW | TREATED | WATER TREATMENT PLANT SITE 2 STANDING | WATER TREATMENT PLANT SITE 2 FREE FLOW | DISTRIBUTION SYSTEM SITE 3 STANDING | DISTRIBUTION SYSTEM SITE 3 FREE FLOW | DISTRIBUTION SYSTEM SITE 4 STANDING | DISTRIBUTION SYSTEM SITE 4 FREE FLOW |
|---|---|---|---|---|---|---|---|---|
| OCT | .050 <T | BDL | . | BDL | . | . | . | BDL |
| NOV | BDL | BDL | . | BDL | . | . | . | .050 <T |
| DEC | BDL | BDL | . | BDL | . | . | . | BDL |
| STYRENE (UG/L ) | | DET'N LIMIT = .050 | | GUIDELINE = 46.5 (D2) | | | | |
| OCT | .300 <T | .200 <T | . | .300 <T | . | . | . | .250 <T |
| NOV | .200 <T | .100 <T | . | BDL | . | . | . | .150 <T |
| DEC | BDL | .050 <T | . | .150 <T | . | . | . | .250 <T |
| CHLOROFORM (UG/L ) | | DET'N LIMIT = .100 | | GUIDELINE = 350 (A1+) | | | | |
| APR | BDL | 14.900 | . | 15.700 | . | 15.800 | . | 12.200 |
| MAY | .300 <T | 11.900 | . | . | . | . | . | 14.500 |
| JUN | BDL | 9.200 | . | 10.500 | . | . | . | 8.000 |
| JUL | BDL | 8.700 | . | 11.400 | . | . | . | 9.700 |
| AUG | .300 <T | 13.600 | . | 15.900 | . | . | . | 10.800 |
| SEP | BDL | 11.900 | . | . | . | . | . | 13.700 |
| OCT | .400 <T | 9.300 | . | 13.300 | . | . | . | 14.400 |
| NOV | BDL | 7.100 | . | 8.000 | . | . | . | 7.200 |
| DEC | BDL | 9.000 | . | 8.300 | . | . | . | 7.300 |
| CARBON TETRACHLORIDE (UG/L ) | | DET'N LIMIT = .200 | | GUIDELINE = 5.0 (D1) | | | | |
| APR | BDL | BDL | . | BDL | . | BDL | . | BDL |
| MAY | BDL | BDL | . | . | . | . | . | BDL |
| JUN | BDL | BDL | . | BDL | . | . | . | BDL |
| JUL | BDL | .200 <T | . | BDL | . | . | . | BDL |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| SITE | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|
| | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| AUG | BDL | BDL | . | BDL | . | . | . | BDL |
| SEP | BDL | BDL | . | . | . | . | . | BDL |
| OCT | BDL | BDL | . | BDL | . | . | . | BDL |
| NOV | BDL | BDL | . | BDL | . | . | . | BDL |
| DEC | BDL | BDL | . | BDL | . | . | . | BDL |
| TRICHLOROETHYLENE (UG/L ) | | | DET'N LIMIT = .100 | | GUIDELINE = 5.0 (D1) | | | |
| APR | BDL | BDL | . | BDL | . | BDL | . | BDL |
| MAY | BDL | BDL | . | . | . | . | . | BDL |
| JUN | BDL | BDL | . | BDL | . | . | . | BDL |
| JUL | BDL | BDL | . | BDL | . | . | . | BDL |
| AUG | BDL | BDL | . | BDL | . | . | . | BDL |
| SEP | BDL | BDL | . | . | . | . | . | BDL |
| OCT | .100 <T | .100 <T | . | BDL | . | . | . | BDL |
| NOV | BDL | BDL | . | BDL | . | . | . | BDL |
| DEC | BDL | BDL | . | BDL | . | . | . | BDL |
| DICHLOROBROMOMETHANE (UG/L ) | | | DET'N LIMIT = .050 | | GUIDELINE = 350 (A1+) | | | |
| APR | BDL | 10.000 | . | 11.500 | . | 11.800 | . | 7.800 |
| MAY | .150 <T | 8.050 | . | . | . | . | . | 3.800 |
| JUN | BDL | 5.900 | . | 5.600 | . | . | . | 5.200 |
| JUL | BDL | 7.400 | . | 9.800 | . | . | . | 8.100 |
| AUG | .050 <T | 10.250 | . | 11.050 | . | . | . | 9.450 |
| SEP | BDL | 8.950 | . | . | . | . | . | 10.400 |
| OCT | BDL | 7.700 | . | 9.800 | . | . | . | 9.950 |
| NOV | BDL | 7.600 | . | 8.200 | . | . | . | 7.100 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| SITE | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | RAW | TREATED | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| DEC | BDL | 8.050 | . | 7.700 | . | . | . | 7.850 |
| CHLORODIBROMOMETHANE (UG/L ) | | DET'N LIMIT = .100 | | GUIDELINE = 350 (A1+) | | | | |
| APR | BDL | 4.000 | . | 6.600 | . | 7.300 | . | 2.800 |
| MAY | BDL | 2.600 | . | . | . | . | . | 4.800 |
| JUN | BDL | 3.100 | . | 3.400 | . | . | . | 2.900 |
| JUL | BDL | 3.600 | . | 4.400 | . | . | . | 3.400 |
| AUG | BDL | 4.800 | . | 4.400 | . | . | . | 5.900 |
| SEP | BDL | 4.200 | . | . | . | . | . | 5.000 |
| OCT | BDL | 4.300 | . | 5.100 | . | . | . | 5.400 |
| NOV | BDL | 3.900 | . | 4.900 | . | . | . | 3.900 |
| DEC | BDL | 4.300 | . | 4.400 | . | . | . | 4.200 |
| T-CHLOROETHYLENE (UG/L ) | | DET'N LIMIT = .050 | | GUIDELINE = 10.0 (C2) | | | | |
| APR | BDL | BDL | . | BDL | . | BDL | . | BDL |
| MAY | .050 <T | .050 <T | . | . | . | . | . | BDL |
| JUN | BDL | BDL | . | BDL | . | . | . | BDL |
| JUL | BDL | BDL | . | .050 <T | . | . | . | BDL |
| AUG | BDL | BDL | . | BDL | . | . | . | BDL |
| SEP | BDL | BDL | . | . | . | . | . | BDL |
| OCT | BDL | BDL | . | BDL | . | . | . | .050 <T |
| NOV | BDL | BDL | . | BDL | . | . | . | .050 <T |
| DEC | BDL | BDL | . | BDL | . | . | . | .100 <T |
| BROMOFORM (UG/L ) | | DET'N LIMIT = .200 | | GUIDELINE = 350 (A1+) | | | | |
| APR | BDL | .400 <T | . | .400 <T | . | .400 <T | . | .200 <T |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| SITE | | WATER TREATMENT PLANT | | | DISTRIBUTION SYSTEM | | | |
|---|---|---|---|---|---|---|---|---|
| | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| TYPE | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| MAY | BDL | .200 <T | . | . | . | . | . | BDL |
| JUN | BDL | .200 <T | . | .200 <T | . | . | . | BDL |
| JUL | BDL | .400 <T | . | .400 <T | . | . | . | .400 <T |
| AUG | BDL | .200 <T | . | .400 <T | . | . | . | .400 <T |
| SEP | BDL | .400 <T | . | . | . | . | . | .600 <T |
| OCT | BDL | .600 <T | . | .400 <T | . | . | . | .400 <T |
| NOV | BDL | .400 <T | . | .400 <T | . | . | . | .600 <T |
| DEC | BDL | .600 <T | . | .600 <T | . | . | . | .600 <T |
| 1,4 DICHLOROBENZENE (UG/L ) | | DET'N LIMIT = .100 | | GUIDELINE = 5.0 (B1) | | | | |
| APR | BDL | BDL | . | BDL | . | BDL | . | .100 <T |
| MAY | BDL | BDL | . | . | . | . | . | BDL |
| JUN | BDL | BDL | . | .900 <T | . | . | . | BDL |
| JUL | BDL | BDL | . | 1.100 | . | . | . | .300 <T |
| AUG | BDL | BDL | . | 1.200 | . | . | . | .400 <T |
| SEP | BDL | BDL | . | . | . | . | . | BDL |
| OCT | BDL | BDL | . | .300 <T | . | . | . | BDL |
| NOV | BDL | BDL | . | .200 <T | . | . | . | .300 <T |
| DEC | BDL | BDL | . | .400 <T | . | . | . | .100 <T |
| TOTL TRIHALOMETHANES (UG/L ) | | DET'N LIMIT = .500 | | GUIDELINE = 350 (A1) | | | | |
| APR | BDL | 29.300 | . | 34.200 | . | 35.300 | . | 23.000 |
| MAY | BDL | 22.750 | . | . | . | . | . | 23.100 |
| JUN | BDL | 18.400 | . | 19.700 | . | . | . | 16.100 |
| JUL | BDL | 20.300 | . | 26.000 | . | . | . | 21.600 |
| AUG | BDL | 28.850 | . | 31.750 | . | . | . | 26.550 |

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1988

| | SITE TYPE | WATER TREATMENT PLANT | | DISTRIBUTION SYSTEM | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | RAW | TREATED | SITE 2 | | SITE 3 | | SITE 4 | |
| | | | | STANDING | FREE FLOW | STANDING | FREE FLOW | STANDING | FREE FLOW |
| SEP | | BDL | 25.450 | . | . | . | . | . | 29.700 |
| OCT | | BDL | 21.900 | . | 28.600 | . | . | . | 30.150 |
| NOV | | BDL | 19.000 | . | 21.500 | . | . | . | 18.800 |
| DEC | | BDL | 21.950 | . | 21.000 | . | . | . | 19.950 |

Table 6

| SCAN/PARAMETER | UNIT | DETECTION LIMIT | GUIDELINE |
|---|---|---|---|
| **BACTERIOLOGICAL** | | | |
| STANDARD PLATE COUNT MEMBRANE FILTRATION | CT/ML | 0 | 500/ML(A1) |
| P/A BOTTLE | | 0 | 0 (A1*) |
| TOTAL COLIFORM MEMBRANE FILTRATION | CT/100ML | 0 | 5/100mL(A1) |
| TOTAL COLIFORM BACKGROUND MF | CT/100ML | 0 | N/A |
| **CHLOROAROMATICS** | | | |
| HEXACHLOROBUTADIENE | NG/L | 1.000 | 450. (D4) |
| 1,2,3-TRICHLOROBENZENE | NG/L | 5.000 | 10000 (I) |
| 1,2,3,4-TETRACHLOROBENZENE | NG/L | 1.000 | 10000 (I) |
| 1,2,3,5-TETRACHLOROBENZENE | NG/L | 1.000 | 10000 (I) |
| 1,2,4-TRICHLOROBENZENE | NG/L | 5.000 | 10000 (I) |
| 1,2,4,5-TETRACHLOROBENZENE | NG/L | 1.000 | 38000 (D4) |
| 1,3,5-TRICHLOROBENZENE | NG/L | 5.000 | 10000 (D4) |
| HEXACHLOROBENZENE | NG/L | 1.0 | 10. (C1) |
| HEXACHLOROETHANE | NG/L | 1.000 | 1900. (D4) |
| OCTACHLOROSTYRENE | NG/L | 1.000 | N/A |
| PENTACHLOROBENZENE | NG/L | 1.000 | 74000 (D4) |
| 2,3,6-TRICHLOROTOLUENE | NG/L | 5.000 | N/A |
| 2,4,5-TRICHLOROTOLUENE | NG/L | 5.000 | N/A |
| 2,6,A-TRICHLOROTOLUENE | NG/L | 5.000 | N/A |
| **CHLOROPHENOLS** | | | |
| 2,3,4-TRICHLOROPHENOL | NG/L | 50. | N/A |
| 2,3,4,5-TETRACHLOROPHENOL | NG/L | 50. | N/A |
| 2,3,5,6-TETRACHLOROPHENOL | NG/L | 50. | N/A |
| 2,4,5-TRICHLOROPHENOL | NG/L | 50. | 2600000 (D4) |
| 2,4,6-TRICHLOROPHENOL | NG/L | 50. | 5000. (B1) |
| PENTACHLOROPHENOL | NG/L | 50. | 60000. (B1) |
| **CHEMISTRY (FLD)** | | | |
| FIELD COMBINED CHLORINE RESIDUAL | MG/L | N/A | N/A |
| FIELD FREE CHLORINE RESIDUAL | MG/L | N/A | N/A |
| FIELD TOTAL CHLORINE RESIDUAL | MG/L | N/A | N/A |
| FIELD PH | DIMENSIONLESS | N/A | 6.5-8.5(A4) |
| FIELD TEMPERATURE | °C | N/A | <15 °C(A1) |
| FIELD TURBIDITY | FTU | N/A | 1.0 (A1) |
| **CHEMISTRY (LAB)** | | | |
| ALKALINITY | MG/L | .200 | 30-500(A4) |
| CALCIUM | MG/L | .100 | 100. (F2) |
| CYANIDE | MG/L | .001 | .20(A1) |
| CHLORIDE | MG/L | .200 | 250. (A3) |
| COLOUR | TCU | .5 | 5.0 (A3) |
| CONDUCTIVITY | UMHO/CM | 1. | 400. (F2) |
| FLUORIDE | MG/L | .01 | 2.4 (A1) |
| HARDNESS | MG/L | .50 | 80-100(A4) |

| SCAN/PARAMETER | UNIT | DETECTION LIMIT | GUIDELINE |
|---|---|---|---|
| NITRITE | MG/L | .001 | 1.0 (A1) |
| TOTAL NITRATES | MG/L | .02 | 10. (A1) |
| NITROGEN TOTAL KJELDAHL | MG/L | .02 | N/A |
| PH | DIMENSLESS | N/A | 6.5-8.5(A4) |
| PHOSPHORUS FIL REACT | MG/L | .0005 | N/A |
| PHOSPHORUS TOTAL | MG/L | .002 | .40(F2) |
| TOTAL SOLIDS | MG/L | 1. | 500. (A3) |
| TURBIDITY | FTU | .02 | 1.0 (A1) |
| **METALS** | | | |
| ALUMINUM | UG/L | .050 | 100. (A4) |
| ANTIMONY | UG/L | .050 | 146. (D4) |
| ARSENIC | UG/L | .050 | 50. (A1) |
| BARIUM | UG/L | .020 | 1000. (A1) |
| BORON | UG/L | .200 | 5000. (A1) |
| BERYLLIUM | UG/L | .010 | 0.20 (H) |
| CADMIUM | UG/L | .050 | 5.0 (A1) |
| COBALT | UG/L | .020 | 1000. (H) |
| CHROMIUM | UG/L | .100 | 50. (A1) |
| COPPER | UG/L | .100 | 1000. (A3) |
| IRON | UG/L | 5.0 | 300. (A3) |
| MERCURY | UG/L | .01 | 1.0 (A1) |
| MANGANESE | UG/L | .050 | 50. (A3) |
| MOLYBDENUM | UG/L | .020 | 500. (H) |
| NICKEL | UG/L | .100 | 50. (F3) |
| LEAD | UG/L | .020 | 50. (A1) |
| SELENIUM | UG/L | .200 | 10. (A1) |
| SILVER | UG/L | .020 | 50. (A1) |
| STRONTIUM | UG/L | .100 | 2000. (H) |
| THALLIUM | UG/L | .010 | 13. (D4) |
| TITANIUM | UG/L | .100 | N/A |
| URANIUM | UG/L | .020 | 20. (A2) |
| VANADIUM | UG/L | .020 | 100. (H) |
| ZINC | UG/L | .020 | 5000. (A3) |
| **PHENOLICS** | | | |
| PHENOLICS (UNFILTERED REACTIVE) | UG/L | .2 | 2.0 (A3) |
| **PESTICIDES & PCB** | | | |
| ALDRIN | NG/L | 1.0 | 700. (A1) |
| AMETRINE | NG/L | 50. | 300000. (D3) |
| ATRAZINE | NG/L | 50. | 60000. (B3) |
| ALPHA HEXACHLOROCYCLOHEXANE (BHC) | NG/L | 1.0 | 700. (G) |
| BETA HEXACHLOROCYCLOHEXANE (BHC) | NG/L | 1.0 | 300. (G) |
| GAMMA HEXACHLOROCYCLOHEXANE(LINDANE) | NG/L | 1.0 | 4000. (A1) |
| ALPHA CHLORDANE | NG/L | 2.0 | 7000. (A1) |
| GAMMA CHLORDANE | NG/L | 2.0 | 7000. (A1) |
| DIAZINON | NG/L | 100. | 10000. (B3) |
| DIELDRIN | NG/L | 2.0 | 700. (A1) |
| METHOXYCHLOR | NG/L | 5.0 | 100000. (A1) |
| ENDOSULFAN 1 (THIODAN I) | NG/L | 2.0 | 74000. (D4) |
| ENDOSULFAN 2 (THIODAN II) | NG/L | 4.0 | 74000. (D4) |
| ENDRIN | NG/L | 4.0 | 200. (A1) |
| ENDOSULFAN SULPHATE(THIODAN SULPHATE) | NG/L | 4.0 | N/A |
| HEPTACHLOR EPOXIDE | NG/L | 1.0 | 3000. (A1) |

| SCAN/PARAMETER | UNIT | DETECTION LIMIT | GUIDELINE | |
|---|---|---|---|---|
| HEPTACHLOR | NG/L | 1.0 | 3000. | (A1) |
| METOLACHLOR | NG/L | 500. | 50000. | (B3) |
| MIREX | NG/L | 5.0 | N/A | |
| OXYCHLORDANE | NG/L | 2.0 | N/A | |
| O,P-DDT | NG/L | 5.0 | 30000. | (A1) |
| PCB | NG/L | 20.0 | 3000. | (A2) |
| O,P-DDD | NG/L | 5.0 | N/A | |
| PPDDE | NG/L | 1.0 | 30000. | (A1) |
| PPDDT | NG/L | 5.0 | 30000. | (A1) |
| ATRATONE | NG/L | 50. | N/A | |
| ALACHLOR | NG/L | 500. | 35000. | (D2) |
| PROMETONE | NG/L | 50. | 52500. | (D3) |
| PROPAZINE | NG/L | 50. | 16000. | (D2) |
| PROMETRYNE | NG/L | 50. | 1000. | (B3) |
| SENCOR (METRIBUZIN) | NG/L | 100. | 80000. | (B2) |
| SIMAZINE | NG/L | 50. | 10000. | (B3) |
| **POLYAROMATIC HYDROCARBONS** | | | | |
| PHENANTHRENE | NG/L | 10.0 | N/A | |
| ANTHRACENE | NG/L | 1.0 | N/A | |
| FLUORANTHENE | NG/L | 20.0 | 42000. | (D4) |
| PYRENE | NG/L | 20.0 | N/A | |
| BENZO(A)ANTHRACENE | NG/L | 20.0 | N/A | |
| CHRYSENE | NG/L | 50.0 | N/A | |
| DIMETHYL BENZO(A)ANTHRACENE | NG/L | 5.0 | N/A | |
| BENZO(E)PYRENE | NG/L | 50.0 | N/A | |
| BENZO(B)FLUORANTHENE | NG/L | 10.0 | N/A | |
| PERYLENE | NG/L | 10.0 | N/A | |
| BENZO(K)FLUORANTHENE | NG/L | 1.0 | N/A | |
| BENZO(A)PYRENE | NG/L | 5.0 | 10. | (B1) |
| BENZO(G,H,I)PERYLENE | NG/L | 20.0 | N/A | |
| DIBENZO(A,H)ANTHRACENE | NG/L | 10.0 | N/A | |
| INDENO(1,2,3-C,D)PYRENE | NG/L | 20.0 | N/A | |
| BENZO(B)CHRYSENE | NG/L | 2.0 | N/A | |
| CORONENE | NG/L | 10.0 | N/A | |
| **SPECIFIC PESTICIDES** | | | | |
| TOXAPHENE | NG/L | N/A | 5000. | (A1) |
| 2,4,5-TRICHLOROBUTYRIC ACID (2,4,5-T) | NG/L | 50. | 280000. | (B1) |
| 2,4-DICHLOROBUTYRIC ACID (2,4-D) | NG/L | 100. | 100000. | (A1) |
| 2,4-DICHLORORPHENOXYBUTYRIC ACID | NG/L | 200. | 18000. | (B3) |
| 2,4-D PROPIONIC ACID | NG/L | 100. | N/A | |
| DICAMBA | NG/L | 100. | 87000. | (B3) |
| PICHLORAM | NG/L | 100. | 2450000. | (D3) |
| SILVEX (2,4,5-TP) | NG/L | 50. | 10000. | (A1) |
| DIAZINON | NG/L | 20. | 14000. | (A1) |
| DICHLORVOS | NG/L | 20. | N/A | |
| DURSBAN | NG/L | 20. | N/A | |
| ETHION | NG/L | 20. | 35000. | (G) |
| GUTHION | NG/L | N/A | N/A | |
| MALATHION | NG/L | 20. | 160000. | (G) |
| MEVINPHOS | NG/L | 20. | N/A | |
| METHYL PARATHION | NG/L | 50. | 7000. | (B3) |
| METHYLTRITHION | NG/L | 20. | N/A | |
| PARATHION | NG/L | 20. | 35000. | (B1) |

| SCAN/PARAMETER | UNIT | DETECTION LIMIT | GUIDELINE |
|---|---|---|---|
| PHORATE (THIMET) | NG/L | 20. | 35. (D2) |
| RELDAN | NG/L | 20. | N/A |
| RONNEL | NG/L | 20. | N/A |
| AMINOCARB | NG/L | N/A | N/A |
| BENOMYL | NG/L | N/A | N/A |
| BUX (METALKAMATE) | NG/L | 2000. | N/A |
| CARBOFURAN | NG/L | 2000. | 18000. (D3) |
| CICP (CHLORPROPHAM) | NG/L | 2000. | 350000. (G) |
| DIALLATE | NG/L | 2000. | 30000. (H) |
| EPTAM | NG/L | 2000. | N/A |
| IPC | NG/L | 2000. | N/A |
| PROPOXUR (BAYGON) | NG/L | 2000. | 90000. (G) |
| SEVIN (CARBARYL) | NG/L | 200. | 70000. (A1) |
| SUTAN (BUTYLATE) | NG/L | 2000. | 245000. (D3) |
| **VOLATILES** | | | |
| BENZENE | UG/L | .050 | 5.0 (B1) |
| TOLUENE | UG/L | .050 | 24.0 (B4) |
| ETHYLBENZENE | UG/L | .050 | 2.4 (B4) |
| PARA-XYLENE | UG/L | .100 | 300. (B4) |
| META-XYLENE | UG/L | .100 | 300. (B4) |
| ORTHO-XYLENE | UG/L | .050 | 300. (B4) |
| 1,1-DICHLOROETHYLENE | UG/L | .100 | 7.0 (D1) |
| ETHLYENE DIBROMIDE | UG/L | .05 | 50. (G) |
| METHYLENE CHLORIDE | UG/L | .500 | 1750. (D3) |
| TRANS-1,2-DICHLOROETHYLENE | UG/L | .100 | 350. (D3) |
| 1,1-DICHLOROETHANE | UG/L | .100 | N/A |
| CHLOROFORM | UG/L | .100 | 350. (A1+) |
| 1,1,1-TRICHLOROETHANE | UG/L | .020 | 200. (D1) |
| 1,2-DICHLOROETHANE | UG/L | .050 | 5.0 (D1) |
| CARBON TETRACHLORIDE | UG/L | .200 | 5.0 (D1) |
| 1,2-DICHLOROPROPANE | UG/L | .050 | 10.0 (G) |
| TRICHLOROETHYLENE | UG/L | .100 | 5.0 (D1) |
| DICHLOROBROMOMETHANE | UG/L | .050 | 350. (A1+) |
| 1,1,2-TRICHLOROETHANE | UG/L | .050 | .60(D4) |
| CHLORODIBROMOMETHANE | UG/L | .100 | 350. (A1+) |
| TETRACHLOROETHYLENE | UG/L | .050 | 10.0 (C2) |
| BROMOFORM | UG/L | .200 | 350. (A1+) |
| 1,1,2,2-TETRACHLOROETHANE | UG/L | .050 | 0.17(D4) |
| CHLOROBENZENE | UG/L | .100 | 1510. (D3) |
| 1,4-DICHLOROBENZENE | UG/L | .100 | 5.0 (B1) |
| 1,3-DICHLOROBENZENE | UG/L | .100 | 130. (G) |
| 1,2-DICHLOROBENZENE | UG/L | .050 | 200. (B1) |
| TRIFLUOROCHLOROTOLUENE | UG/L | .100 | N/A |
| TOTAL TRIHALOMETHANES | UG/L | .500 | 350. (A1) |
| STYRENE | UG/L | .05 | 46.5 (D2) |